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# MONTANA HIGHWAY DEPARTMENT

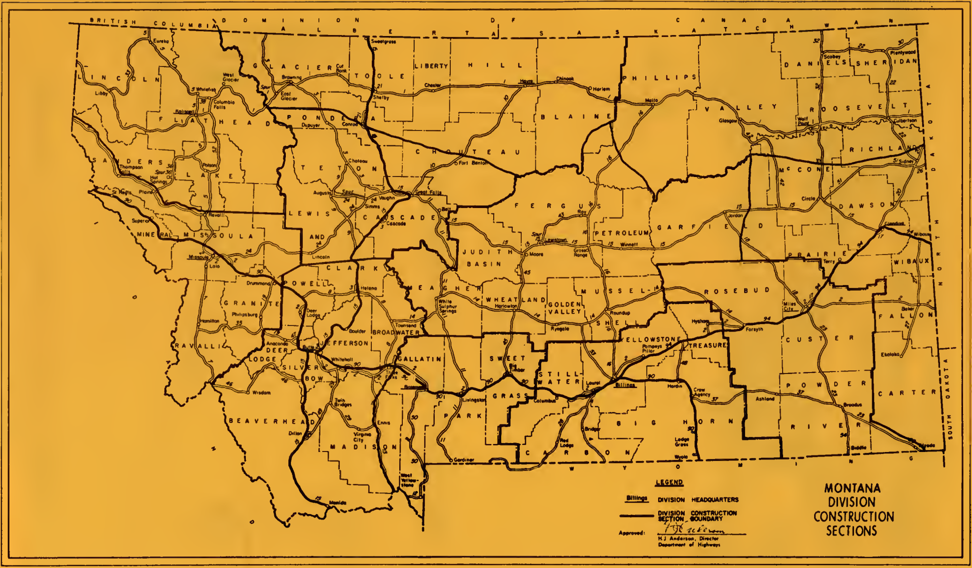
MAY 9 '77
STATE DOCUMENTS

# FIELD ENGINEERING AND CONSTRUCTION

# PROGRESS REPORT

ISSUED THE FIRST AND THIRD WEEK OF THE MONTH

MAY 2, 1977



BRITISH COLUMBIA
DOMINION OF CANADA
ALBERTA
SASKATCHEWAN
NORTH DAKOTA
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WYOMING
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FLATHEAD
GLACIER
TOOLE
LIBERTY
HILL
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PHILLIPS
VALLEY
DANIELS
SHERIDAN
ROOSEVELT
RICHLAND
PONDERA
TETON
CHOUTEAU
SANDERS
LAKE
LEWIS AND CLARK
CASCADE
FERGUS
PETROLEUM
GARFIELD
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DAWSON
MINERAL
MISSOULA
JUDITH BASIN
PRAIRIE
WIBAUX
POWELL
MEAGHER
WHEATLAND
GOLDEN VALLEY
MUSSELSHELL
ROSEBUD
FALLON
GRANITE
RAVALLI
DEER LODGE
SILVER BOW
JEFFERSON
BROADWATER
GALLATIN
SWEET GRASS
STILLWATER
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DIVISION CONSTRUCTION SECTION BOUNDARY
Approved:
H.J. Anderson, Director
Department of Highways
MONTANA
DIVISION
CONSTRUCTION
SECTIONS

MONTANA DEPARTMENT OF HIGHWAYS
MISSOULA, MONTANA
APRIL 29, 1977

Montana Department of Highways
Helena, Montana

Progress Report
Area 1130

Gentlemen:

The following report is submitted covering construction and preconstruction operations in Area 1130 for the period ending April 29, 1977:

## GENERAL

Skies have been clear, temperatures warm and dry the past two weeks. Progress has been fair on the active projects.

## PRECONSTRUCTION

I 90-1(78)11, Saltese-DeBorgia
Length-10.8 Miles, Preliminary Engineering
Gary Eichert, Field Project Manager
St. Regis, Montana, Phone 649-2460
The crew is working on other projects. Construction layout is 9% complete. Project letting is April 28, 1977.

I 90-1(12), Drexel-East & West
Length-5.8 Miles
Menasco-McGuinn Associates
Helena, Montana
There has been no word from the consultants.

I 90-1(13)39-43, Sloway-East & West
I 90-1(40)43-47, Superior-West
F 254(10), LaVista-Superior Primary
Henningson, Durham & Richardson
Helena, Montana, Consultants
Probable Completion Date-July 30, 1977
Corrections are being made on the Superior structures as a result of the meeting with the MDH on February 10, 1977. Summaries are being revised and work is underway on miscellaneous details for the mainline change by the C.M.ST.P. & P. railroad bridge. The roadway portion of the contract is 97% complete, the bridge section is 99.9%, and the total contract as a unit is 97% complete.

I 90-1(77)22, Drexel-East & West
Length-5.342 Miles, Construction Staking
L.D. Claridge, Field Project Manager
St. Regis, Montana, Phone 649-2471
Construction layout remains 28% complete. Personnel are currently working on other assignments.

RS 4(10), State Route 269, Stevensville — Allan Dutton, Field Project Manager
Length-0.5+ Mile, Preliminary Engineering — Missoula, Montana, Phone 549-6491
One engineer has worked 10 days, and one engineer has worked 4 days in office on notes, hardshell, and profile. Probable completion date is May 20, 1977.

F 90(8), Thompson Falls-East — Personnel Unassigned
Length-10.0 Miles, Preliminary Engineering
Work will be started when personnel are available.

F 197(8), Dixon-Ravalli — Personnel Unassigned
Length-8.5+ Miles, Preliminary Engineering
Work will be started when personnel are available.

RF 215(27), Florence-Lolo, Add 2 Lanes — H.J. Smith, Designer II
Length-8.5 Miles — Missoula, Montana, Phone 549-6491
Halo and line shift for the southbound centerline were completed and work then suspended as of February 23, 1977. The design remains 15% complete. Personnel currently working on F 259(12) Hamilton-North revisions. F 93-1(0) completed and submitted to Helena for final checking on April 18, 1977.

RF 223(6), Plains-Paradise — C.W. Hegman, Field Project Manager
Length-6.9 Miles — Missoula, Montana, Phone 549-6491
Work has been suspended while personnel are on other assignments. The survey is 6% complete.

RS-DP 224(14), U-2, Reserve Street — C.W. Hegman, Field Project Manager
Structure over C.M.ST.P. & P. Railroad, — Missoula, Montana, Phone 549-6491
Approaches, & Fencing
Contract letting on April 28, 1977.

ROS 4144(52), U-5, East of Missoula — Personnel Unassigned
Bridge End Treatment
Contract scheduled for June, 1977 letting.

M 8114 - Missoula — Personnel Unassigned
Fifth and Sixth to Seventh Streets
Work will be started when personnel are available.

M 8199(3), Missoula Intersections — Thomas L. Oertli, Field Project Manager
Preliminary Engineering — Missoula, Montana, Phone 549-6491
Work has been suspended.

## CONSTRUCTION

I 90-1(80)0, Lookout Pass-East
Length-10.732 Miles, AGS-PMS-G. Rail-Sign
Contract awarded May 6, 1976
Amount of Contract-$5,359,580.07
Work Started June 30, 1975
Work Proceed Date-May 28, 1975

Northwest Construction, Inc.
Kirkland, Washington, Contractor
C.R. Owen, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-200 Working Days
Probable Completion Date-May 1, 1977

The project as a whole is 99% complete with 78% of the contract time elapsed. Pit reclamation remains to be completed. A 2-man engineering crew is compiling final data for submittal to the Division office about June 6, 1977.

I 90-1(50)16, U-1 & I 90-1(52)11, U-1
Saltese-Haugan & DeBrogia-East & West
Length-10.828 Miles, GR-AGG. SURF-PMB
Contract let December 14, 1972
Amount of Contract-$5,533,558.78
Work Started February 15, 1973

Washington Construction Company
Missoula, Montana, Contractor
Carl E. Smith, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-350 Calendar Days
Completed on August 12, 1976

Two engineers are compiling final data for submittal to the Division office about June 6, 1977.

I 90-1(77)22, U-1, Drexel-East & West
Length-455.0 Ft. & 638.0 Ft. Composite
Steel & Girder Bridges over
Contract let July 2, 1975
Work Started August 19, 1975
Amount of Contract-$2,282,935.00

Hensel-Phelps Construction Company
Vancouver, Washington, Contractor
Jack Silvey, Engineer Tech. 3
Superior, Montana, Phone 649-2471
Probable Completion Date-May 20, 1977
Contract Time-140 Working Days

Approximately 99% of the miscellaneous structural steel has been unloaded at the Missoula maintenance storage site. The project as a whole is 97% complete with all of the contract time elapsed. Two men have worked shifts of various lengths. Construction layout, with two engineers engaged, is 79% complete.

I 90-1(77)22, U-2, Drexel-East & West
Length-0.5 Mile, Grading & Detours
Contract let June 10, 1976
Amount of contract-$1,453,180.88
Work Started July 6, 1976
Work Proceed Date-July 6, 1976

Washington Construction Company
Missoula, Montana, Contractor
L.D. Claridge, Field Project Manager
St. Regis, Montana, Phone 649-2471
Contract Time-120 Working Days
Work Completed-December 7, 1976

Final data will be submitted to the Division office about May 2, 1977.

I 90-1(77)22, U-3, Henderson Interchange
Length-138.0 Ft. Prestressed Concrete
Girder Overpass
Contract let November 19, 1976
Amount of Contract-$292.648.99
Work Started April 15, 1977

Sletten Construction Company
Great Falls, Montana, Contractor
William Maart, Field Project Manager
St. Regis, Montana, Phone 649-2479
Contract Time-135 Working Days
Probable Completion Date-November 15, 1977

A five-man crew began constructing the detour, erecting signs and guardrail. The project as a whole is 3% complete with 9% of the contract time elapsed.

I 90-1(77)22, U-5, Drexel-East & West
Structures at Sta. 241+61 & 251+80 & Grading
Contract let February 24, 1977
Amount of Contract-$1,102,551.98
Work Not Yet STarted

McIntyre Construction Co. & S. Birch, Inc.
Great Falls, Montana, Contractor
William Maart, Field Project Manager
St. Regis, Montana, Phone 649-2479
Contract Time-200 Working Days

Contractor plans to start work on the detour on April 29, 1977. A three-man survey crew has been staking bridge layout.

I-IG 90-1(61)27, U-1, St. Regis-East & West
Length-151.5 Ft. Prestressed Concrete Girder Bridge, 376 Ft. Composite Steel over St. Regis River, & Grading Detour Road
Contract let March 31, 1977
Amount of Contract-$1,007,222.56

Cop Construction Company
Billings, Montana, Contractor
George Roat, Field Project Manager
Superior, Montana, Phone 822-4972
Contract Time-250 Working Days
Probable Completion Date-Unknown

Sub-contractor started work on detour on April 28, 1977.

I 90-1(59)35, U-1, St. Regis-East
Length-3.6 Miles, GR-AGG. SURF-PMB-
Sign & Flasher Installation
Contract let December 16, 1976
Amount of Contract-$2,836,425.90
Work Proceed Date-April 18, 1977
Work Started January 25, 1977

Washington Construction Company
Missoula, Montana, Contractor
L.D. Claridge, Field Project Manager
St. Regis, Montana, Phone 649-2471
Contract Time-220 Working Days
Probable Completion Date-December 15, 1977

The contractor is presently placing culverts, grubbing, and crushing and stockpiling the aggregate for the project. They plan to start excavation on April 27, 1977, providing the well for water is working by then. The project as a whole is 11% complete with 3% of the contract time elapsed. Twenty men are working five 8-hour shifts per week. Construction layout, with an 11-man engineering crew engaged, is 44% complete.

I 90-1(78)45, Superior-West
Length-544.5 Ft. Composite Steel & Concrete Girder Bridge over the Clark Fork River
Contract let June 26, 1975
Amount of Contract-$1,084,707.40
Work Started August 25, 1975

Hensel-Phelps Construction Company
Vancouver, Washington, Contractor
George Roat, Field Project Manager
Superior, Montana, Phone 822-4972
Contract Time-250 Working Days
Probable Completion Date-July 15, 1977

Work during the past weeks has consisted of forming the backwall at Bent No. 5, forming the deck on Span No. 4, setting floor drains and unloading reinforcing steel. The project as a whole is 77% complete with 74% of the contract time elapsed. Ten men are working five 8-hour shifts per week. Construction layout, with a three-man engineering crew engaged, is 70% complete.

I 90-1(51)78, U-3, Huson-West
Length-1,020.0 Ft. Composite Steel & Concrete Girder Bridge over Clark Fork & Emb. Apps.
Contract let August 16, 1974
Amount of Contract-$2,367,500.00
Work Started October 9, 1974

Hensel-Phelps Construction Company
Vancouver, Washington, Contractor
William Maart, Field Project Manager
St. Regis, Montana, Phone 649-2479
Contract Time-280 Working Days
Probable Completion Date-May 30, 1977

Work has been suspended as engineering personnel are currently assigned to other projects. The project is 96% complete with 92% of the contract time elapsed. Construction layout is 99% complete.

RF 164(20), Philipsburg-South
Length-7.7 Miles, PMB. Seal & Cover
Signing & Lighting
Contract let May 13, 1976
Amount of Contract-$591,661.11
Work Started May 26, 1976

Zook Brothers Construction Company
Great Falls, Montana, Contractor
Allan J. Dutton, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-90 Working Days
Probable Completion Date-May 20, 1977

Contractor straightened some guardrail and sloped approach as directed. Contractor installed five light boxes, five light standards with mast arms and luminairs then connected wires to them. Contractor seeded slopes from 395+00 to 405+00 RT and 399+00 to 402+00 LT. Construction completed at 4:30 p.m. April 14, 1977.

RF 192(9), Arlee-Safety, US 93
Flasher Installation & Traffic Cont. Devices
Contract let November 19, 1976
Amount of Contract-$29,588.95
Work Started March 14, 1977
Work Proceed Date-April 19, 1977

S & S Construction Company
Helena, Montana, Contractor
J.E. Hughes, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-20 Working Days
Probable Completion Date-June 15, 1977

No work has been performed on this project since March 17, 1977. The project as a whole is 42% complete with 0% of the contract time elapsed. Construction layout, with a two-man engineering crew engaged, is 85% complete.

HHS 219(1), FF 219(32), & HHS 219(35)
DeSmet Interchange-North, Evaro-North & South, & Evaro Hill
Length-10.595 Miles, Missoula & Lake Counties
Contract let February 26, 1976
Amount of Contract-$876,235.40
Work Started April 30, 1976

McIntyre Construction Co. & S. Birch, Inc.
Great Falls, Montana, Contractor
C.W. Hegman, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-110 Working Days
Contract Completed-September 29, 1976

Final data will be submitted to the Division office about May 2, 1977.

RS 343(12), Avon-Helmville
Length-5.1 Miles, G-AGG. SURF-PMB Widen & Guard Rail Revision
Contract let May 27, 1976
Amount of Contract-$1,168,747.12
Work Started July 7, 1976

Washington Construction Company
Missoula, Montana, Contractor
Gerald P. Tahija, Field Project Manager
Drummond, Montana, Phone 288-3280
Contract Time-150 Working Days
Probable Completion Date-August 15, 1977

The contractor is finishing the subgrade. The paving subcontractor is setting up the hot plant. The survey crew is engaged in blue-topping. The project as a whole is 70% complete with 62% of the contract time elapsed.

M-RS 000S(53), Missoula County-Urban
Length-37.9 Miles, Signing & Delineation
Contract let October 29, 1976
Amount of Contract-$58,976.70
Work Proceed Date-April 18, 1977
Contract Time-90 Calendar Days

Western Sign Corporation
Great Falls, Montana, Contractor
J.E. Hughes, Field Project Manager
Missoula, Montana, Phone 549-6491
Probable Completion Date-July 1, 1977

The contractor has completed installation of all steel posts and all treated timber posts. All have been backfilled with concrete. The project as a whole is 50% complete with 9% of the contract time elapsed. Five men are working five 9-hour shifts per week. Construction layout, with two engineers engaged, is 98% complete.

M 8105(3), Missoula, Channelization & Signal Revision, W. Broadway & Russell Intersection
Contract let November 19, 1976
Amount of Contract-$125,400.50
Work Proceed Date-April 18, 1977
Work Started February 23, 1977

Fred Strandberg Construction Co., Inc.
Helena, Montana, Contractor
J.R. Williams, Field Project Manager
Missoula, Montana, Phone 549-6491
Probable Completion Date-July 29, 1977

The contractor has worked one week the past two weeks. He installed 2½" conduit that week. Progress was fair. He plans to start sawing detector loops in about ten days. The project as a whole is 5% complete, with the construction layout 18% complete.

M 8107(4), North Orange Street, Missoula
Length-0.8 Mile, Lighting & Overhead Monitor
Contract let August 25, 1976
Amount of Contract-$85,663.22
Work Started March 22, 1977
Work Proceed Date-September 20, 1976

Midland Electric Company
Billings, Montana, Contractor
J.R. Williams, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-60 Working Days
Probable Completion Date-June 17, 1977

The contractor has been installing conduit, lights, and conductor the past two weeks. The project as a whole is 62% complete with 15% of the contract time elapsed. Six men are working five 8-hour shifts per week. Construction layout, with 2 engineers engaged, is 25% complete.

M 8199(2), U-2 & M-U 8199(4), Missoula
School Crossings, Signing & Signalization
Contract let June 10, 1976
Amount of Contract-$106,132.00
Work Started July 20, 1976
Work Proceed Date-July 6, 1976

Western Sign Corporation
Great Falls, Montana, Contractor
J.E. Hughes, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-60 Working Days
Probable Completion Date-May30, 1977

Two men completed work on the signals. One man is working on the topsoil leveling and placing in the proper area. The project as a whole is 95% complete with 10% of the contract time elapsed. Two men are working five 9-hour shifts per week. Construction layout, with two engineers engaged, is 100% complete.

SMP 3299-77, Missoula & Ravalli Counties
Cruch & Stockpile 55,000 Tons Aggregate
Contract let January 27, 1977
Amount of Contract-$166,025.00
Work Proceed Date-April 18, 1977
Work Not Yet Started

Washington Construction Company
Missoula, Montana, Contractor
D.R. Lohn, Div. Lab. Supervisor 2
Missoula, Montana, Phone 549-6491
Contract Time-80 Working Days
Probable Completion Date-July 15, 1977

Contractor hopes to start work on this project about the second week in May.

Ben C. Miller

BEN C. MILLER, SUPERVISOR
DIVISION CONSTRUCTION SECTION

DEPARTMENT OF HIGHWAYS

Kalispell, Montana

April 29, 1977

Department of Highways
Helena, Montana 59601

Progress Report

Gentlemen:

The following is a report on pre-construction and construction activities in area 1230 for the period ending April 29, 1977.

## G E N E R A L

Progress has been fair to good. Weather has been above normal temperatures with no precipitation and some wind. Day time termperatures ranged from +50° to 84° with night temperatures from +28° to +36°. Highways are in spring driving condition with normal traffic.

## P R E - C O N S T R U C T I O N

HHS-58(28) Libby-Kalispell
Length - 2900' & 7000' Alignment
Survey Authorization Dated-August 27, 1976
Survey Started - September 7, 1976

August Strobbe, Field Proj. Mgr.
Kalispell, Montana 59901
Phone: 755-3950
Est. Comp. Date - Man 1, 1977

The project consists of two separate sections. The most westerly section is 3900' in length including spirals and connections. The most easterly section is 7000' in length with spirals and connections. Centerline, benches, cross-sections and topography is 100% complete. Section ties are approximately 75% complete. The remaining survey work consists of bridge surveys, which were started April 25, with a 4 man crew expending 20 man days. The total man days used to date is 262½ days with the survey approximately 82% complete.

DESIGN

Loren Dollan, Designer II

IBM code sheets have been submitted for a COGHO run. The hardshells for the two segments have been completed, and groundline cross sections are presently being plotted. Eleven man days have been used to date on design, which is apporximately 2% complete.

F83-2(1) 67 Swan Lake North Overlay
Length - 12.7 Miles
Survey & Design Authorization-Jan. 31, 1977
Design Started - Feb. 23, 1977

Loren Dollan, Designer II
Kalispell, Montana 59901
Phone: 755-5717
Est. Comp. Date - May 15, 1977

The Materials Bureau is presently in the process of reviewing the entire project to determine the adequacy of the roadway structure. Results will indicate how the plant mix overlay is to be designed, and what additional provisions will have to be made, such as digouts, filter fabric, or rubberized asphalt.

F-38-1(3);((F-100(9)) Columbia Falls
East & West RS 486-1(2);((S-334(2))
Nucleus Avenue
Length - 5.4 Miles
Design Started - January 14, 1975

Loren Dollan, Designer II
Kalispell, Montana 59901
Phone: 755-5717
Est. Comp. Date - June 30, 1977

F-38-1(3)

There has been no work on design the past period. Work will resume and be completed after the storm drain design is received from the Hydraulics Unit. 329 man days have been used to date on design, which is approximately 70% complete.

RS-486-1(2)

There has been no work on design the past period. Work will resume and be completed after the storm drain design is received from the Hydraulics Unit. 77 man days have been used to date on design, which is approximately 70% complete.

F-1-2(3);((RF-257(16)) & LSF-1-257(5) Coram-
West Glacier Section
Length - 4.8 Miles
Scheduled for July 1977 Letting

August Strobbe, Field Proj. Mgr.
Kalispell, Montana 59901
Phone: 755-3950

No engineering work was performed on the project the past period due to personnel being assigned to other projects. The total man days used remains at 273.5.

UTILITIES

Montana Power Company plans to resume work on Monday, May 2, 1977 following their winter shutdown. Gas line crossings were relocated last fall at Stations 493+11 and 529+65, with the location being approximately 20% complete.

Harp Line Construction Co., contractor for Flathead Electric Co-op worked 2-8 hour shifts the past period with 3 men employed. They had been shut down while waiting for the insulators for the transmission line and the 4" conduit for the undger-ground crossings. Relocation is approximately 30% complete.

F-263(8) Stryker-Roosville
Length - 6.0± Miles
Survey Authorization Dated - Nov. 13, 1975
Survey Started - December 8, 1975

Jack Adamson, Field Proj. Mgr.
Eureka, Montana 59917
Est. Comp. Date - May 13, 1977

Progress has been fair. A four man crew has completed work on two alternate lines. The crew has been on other work this past week. Work will resume next week on an alternate line south of Eureka. One man has been working on the hard-shell and checking notes as time permits. The project remains 95% complete, with 1100 man days expended.

RS-325(2) Libby South East Rte. 482
Length - 3.5 Miles
Survey Suthorization Dated - Dec. 6, 1974
Survey Started - January 6, 1975
Survey Suspended - January 17, 1975

Gerald Roat, Field Proj. Mgr.
Kalispell, Montana 59901
Phone: 755-5006
Est. Comp. Date - Pending

No work on this location survey the past period. The limited survey which consists of centerline, section ties and level datum remains 3% complete.

RS-451(1) West Reserve Drive
Length - 6.5 Miles
Design Started - June 22, 1974

Loren Dollan, Desinger II
Kalispell, Montana 59901
Phone: 755-5717
Est. Comp. Date - Pending

There has been no work on design this reporting period. Work will resume after design personnel have completed currently assigned projects. 82 man days have been used to date on RS-451(1) design, which is approximately 12% complete.

## C O N S T R U C T I O N

ERFO 72(2) Essex-Summit
Bear Creek - Flood Repair
Length - N/A
Contract Let - October 29, 1976
Contract Awarded - October 29, 1976
Contract Amount - $1,711,336.10
Proceed Order - April 18, 1977
Work Started - November 22, 1976

Zook Brothers Const. Co.
Great Falls, Montana 59401
August Strobbe, Field Proj. Mgr.
Essex, Montana 59916
(No Phone)
Contract Time - 120 Working Days
Prob. Comp. Date - Sept. 1, 1977

Progress has been good. Contractor working 5-8 hour shifts per week, employing 25 men. 18,597 tons of class III riprap placed, making a total of 88,800, or approximately 57% complete. A total of 25,200 cu. yds of unclassified excavation has been moved making this approximately 34% complete. Restoration remains approximately 70% complete. Project as a whole is approximately 37% complete with 8% of the contract time elapsed. Construction layout remains approximately 78% complete with 7-8 engineering personnel assigned to project.

RF-BRF-100(15) Flathead River Bridge
Columbia Falls
Pre-Stressed Concrete Girder Bridge &
Grade, & Surf. Temp. Approach
Lenght - 0.303 Miles
Contract Let - March 27, 1975
Contract Awarded - March 31, 1975(Con.by FHWA)
ContractAmount $2,117,380.30
Proceed Order - April 21, 1975
Wrok Started - May 21, 1975

COP Construction Company
Billings, Montana 59101
Lawrence Chezik, Field Proj. Mgr.
Kalispell, Montana 59901
Phone: 755-5717
Contract Time - 300 Working Days
Prob. Comp. Date - July 1, 1977

RF-BRF-100(15) Flathead River Bridge
Columia Falls (cont.)

Progress has been good during the past period with 1-14 men working 5-8 hour shifts per week. Work on the W.B. structure consisted of forming for the deck slab and expansion joints; placing reinforcing steel for the deck slab and barrier. The project as a whole is 93% complete with 82% of contract time elapsed. Two state employees are assigned to the project.

U191(38) St. Matthew School Signals
MU6799(1) #2 Signal Upgrade
Installation of Flasher at St. Matthew School Crossing on Main St. in Kalispell and Signal Controller Upgrade on Four Intersections on U.S. #2
Contract Let - March 25, 1976
Contract Awarded - March 31, 1976 (FHWA 4-1-76)
Contract Amount - $46,975.20
Proceed Order - April 22, 1976
Work Started - October 13,1976

Signal Electric Inc.
Kent, Washington
August Strobbe, Field Proj. Mgr.
Kalispell, Montana 59901
Phone - 755-3950
Contract Time - 45 Working Days
Prob. Comp. Date - April 29, 1977

Progress has been good the past period with 2-3 men working 5-8 hour shifts weekly. Work consisted of finishing installing the sensing heads and picking up miscellaneous work. The project is scheduled to be completed on Friday April 29, 1977. Approximately 20% of the contract time has elapsed. One inspector is assigned.

HHS-257(31) Dew Drop Curve
Grading & Plant Mix Surfacing
Length - 0.094 Miles
Contract Let - August 30, 1976
Contract Awarded - August 30, 1976
Contract Amount - $17,623.96
Proceed Order - September 20, 1976
Work Started - October 8, 1976

Pack & Co., Inc.
Kalispell, Montana 59901
August Strobbe, Field Proj. Mgr.
Kalispell, Montana 59901
Phone - 755-5006
Contract Time - 30 Working Days
Project Completed - Oct. 19, 1976

Final has been checked and will be forwarded to Helena by first available transportation.

DP-270(13) U.S. #93 North of Kalispell
Grade, Gravel Surface
Length - 0.776 Miles
Contract Let - February 26, 1976
Contract Awarded - March 1, 1976
FHWA Concurred - March 2, 1976
Contract Amount - $285,900.23
Proceed Order - April 16, 1976
Work Started - April 27, 1976

Pack & Co. Inc.
Kalispell, Montana 59901
August Strobbe, Field Proj. Mgr.
Kalispell, Montana 59901
Phone - 755-3950
Contract Time - 60 Working Days
Project Completed - December 3, 1976

DP-270(13) U.S. #93 North of Kalispell

Final is being checked in division office as time permits, and should be ready for submittal to Helena about May 15, 1977.

F-330(6) Libby-East
Grade, Agg. Surf. Plant Mix Surf. &
Seal, Storm Sewer Installation
Signing, Lighting & One Pre-Stressed
Concrete Girder Bridge
Length - 4.5 Miles
Contract Let - March 27, 1975
Contract Awarded - April 4, 1976(FHWA Conc.4-7-75)
Contract Amount - $2,843,803.46
Proceed Order - April 28, 1975
Work Started - April 28, 1975

Zook Brothers Const. Company
Great Falls, Montana 59401
Gerald Roat, Field Proj. Mgr.
Kalispell, Montana 59901
Phone - 755-5006
Contract Time - 200 Working Days
Project Completed - December 6, 1976

The project was completed and accepted December 6, 1976. Final compilation is being worked on as time permits, however, progress has been poor due to construction activity of RS 404(8). Arrangements are being made to resume work on the final with a probable submittal date to be entered on the next report.

RS-410(8) Wampoo-4th of July Creek-Yaak Road
Grade, Gravel Surface, Plant Mix
Length - 4.6 Miles
Contract Let - June 10, 1976
Contract Awarded - June 14, 1976
Contract Amount - $1,546,063.86
Proceed Order - July 6, 1976
Work Started - July 6, 1976

Murphy Brothers, Inc.
Spokane, Washington
Jack Adamson, Field Proj. Mgr.
Troy, Montana 59935
Phone - 295-4741
Contract Time - 140 Working Days
Prob. Comp. Date - July 1, 1977

Progress has been fair. The contractor has 10 men employed and is working one eight hour shift five days per week. Work has consisted of finishing roadway to blue tops and shaping and cleaning backslopes for seeding. The contractor is also setting up a crusher at the gravel pit site. The porject as a whole is now 60% complete with 65% of the contract time elapsed. Nine engineering personnel are assigned to the project and construction layout is approximatley 70% complete.

RS-DP-448(3) Dayton-Northwest
Grade, Agg. Surf. Plant Mix Base
Lingth - 5.38 Miles
Contract Let - December 18, 1975
Contract Awarded - December 19, 1975
Contract Amount - $1,227,911.77
Proceed Order - April 16, 1976
Work Started - April 5, 1976

L. M. Johnson, Inc.
Spokane, Washington
August Strobbe, Field Proj. Mgr.
Kalispell, Montana 59901
Phone - 755-3950
Contract Time - 180 Working Days
Prob. Comp. Date - May 17, 1977

RS-DP-448(3) Dayton-Northwest (cont)

Very little progress the last period. Guard rail posts have been set for all guard rail sections. A three man guard rail crew started dressing up around posts on April 26, 1977. All contract and change orders are 100% completed with the exception of chip and seal and striping, which will be completed in the summer of 1977. The project as a whole is 95% complete with 76% of the contract time elapsed. Construction layout is approximately 96% complete with one to three men working on inspection and field notes as time permits.

RS 4144(52) U1-Polson
RS 4144(52) U12-Ravalli
Bridge End Treatment
Contract Let - February 24, 1977
Contract Awarded - February 28, 1976
Contract Amount - $16,025.45
Proceed Order - April 18, 1977
Work Not Started

Western Sign Corp.
Great Falls, Montana 59401
Daniel Tombrink, Eng. Tech. III
Kalispell, Montana 59901
Phone - 755-3950
Contract Time - 30 Working Days
Prob. Comp. Date - Pending

Project involves bridge end approach improvements of Flathead River bridge west of Polson and the bridge on the Jocko River, west of Ravalli. A preconstruction conference was held on April 7, 1977 with the contractor planning to begin work in 2-3 weeks, pending arrival of material from the supplier, Syro Steel, which is currently on strike. One engineer assigned as required.

M6730(1) & RS-404(8) Kalispell-South Loop
Grade, Agg. Surf., Pl. Mix Base, Pl. Mix Surf. & Water Line and Signing
Length - 3.7 Miles
Contract Let - September 30, 1976
Contract Awarded - October 7, 1976
Contract Amount - $1,739,309.92
Proceed Order - October 28, 1976
Work Started - November 9, 1976

Clark Brothers Contractors
Victor, Montana 59875
Gerald Roat, Field Proj. Mgr.
Kalispell, Montana 59901
Phone - 755-5006
Contract Time - 130 Working Days
Prob. Comp. Date - Oct. 15, 1977

Progress has been good the past two weeks. Unclassified excavation and embankment was completed from Station 432 to 500, making this item 99% complete. Finishing of sub-grade is progressing from Station 432 to Station 480. Sand surfacing and 4" select has been placed from 483 to 518. Also, excavation, filter fabric and 4" select items have been completed from 587 to 615 this past two weeks. Special borrow from 480 to 490 was completed last week, making this item about 99% complete. The sand surfacing, and filter fabric are now 100% complete and the 4" select surfacing approximately 97% complete. The crusher finished crushing 1½" plant mix base and is currrntly crushing plant mix Grade "C" material and should be completed April 29, 1977. They then plan to crush the ½" chips and 1½" Cr. Base Course next week. The contractor currently employs approximately 48 men. Thirteen engineers and inspectors are assigned to the project and have the construction layout 50% complete. The project as a whole is about 55% complete with 15% of the contract time elapsed.

SMP-1599-76 (State Project)
4 Crusher Setups in Flathead, Lake Lincoln, and Mineral Counties
Contract Let - December 17, 1976
Contract Awarded - December 17, 1976
Contract Amount - $113,500.00
Proceed Order - April 18, 1977
Work Started - March 29, 1977

Frank Boroni Construction
Butte, Montana
John Kalien, Lab. Supervisor III
Kalispell, Montana 59901
Phone - 755-5717
Contract Time - 65 Working Days
Prob. Comp. Date - June 1, 1977

Progress the past period has been good. Contractor has completed Pit No. 2420-01 (Nirada) and is now crushing in Pit No. 2430-49 (Proctor) and has 4 men employed. One state man testing and recording scale readings. Contract is 43% complete with 14% time elapsed.

Relocation: Montana 37 - Unit 3A Libby Dam & Lake Koocanusa Project
Length - 2.44 Miles
Contract Awarded - August 3, 1976
Contract Amount - $732,945.00
Proceed Order - August 31, 1976

Bering Straits Construction Co.
(Central Const. Co.)
Seattle, Washington
U.S. Army Corps of Engineers
Libby, Montana 59923
Phone - 293-6221
Jack Adamson, FPM-Liason Engineer
Troy, Montana 59935
Phone - 295-4741
Contract Time - 360 Working Days
Est. Comp. Date - Pending

No work by the contractor as of this date. Unable to get a confirmed date as to when work will resume this spring. Removal of the existing railroad grade has been completed. Also some work has been done at the quarry pit in preparation for spring work. The project as a whole is approximately 5% complete.

Howard A. Stockwell
FOR James J. Keithley, P.E.
Supv. Div. Const. Section

JJK:HAS:mb

Department of Highways

Butte, Montana

April 28, 1977

Department of Highways
Helena, Montana

Progress Report
Division 2130

Gentlemen:

The following report covers construction and preconstruction operations in Division 2130 for the period ending April 26, 1977. The weather has been mild with some snow showers and temperatures ranging from +20° to +72°.

## PRECONSTRUCTION

F 8-2(3)
Intersection of 11th Ave. and
Fee St. - Helena
Location Survey
0.00 Miles
Lewis & Clark County

Gerald S. Ditto, Manager
Field Project
Helena, Montana
Probable Completion Date:
Undetermined

Work on this project will commence when time permits.

F 8-4(1)77
Townsend-Toston
Pl. Mix Overlay on U.S. #287
Design
10.125 Miles
Broadwater County

Raymond M. Grant
Designer II
Butte, Montana
Estimated Completion Date:
April 15, 1977

Work for the period entailed final work on linens, estimate and special provisions and editing of same. A two man crew worked 5 man days for a total of 48 man days used. Design work on the project is 62.5% complete and plans sent to Helena for a P.I.H. printing.

I IG 15-3(13)157
Basin - Boulder
5.49 Miles
Jefferson County

Morrison-Maierle, Inc.
Consulting Engineers
Helena, Montana

Design

I IG 15-3(13)157 Cont'd.
R/W plan work continues as we receive data from the field crews. We are not plotting construction limits and R/W limits on the R/W plan yet, as it has not yet been determined whether or not a borrow source will be available or whether grade or slope changes may be required to balance the 500,000 C.Y. excavation deficiency. The Public Hearing transcript was received and work is underway to produce the final Design Study Report. Preparation of Preliminary Bridge Plans is underway on the two bridges nearest Boulder. We have not received Bridge boring data on any bridges except these two. Final alignment and grades for the cattle trail near Boulder are being developed.

Location

Bill Bork, Manager
Field Project
Boulder, Montana
Tel. 225-3878

No Newsletter received for this portion.

S 34(4) Section 2
Jackson - North
Design
7.566 Miles
Beaverhead County

Raymond M. Grant
Designer II
Butte, Montana
Estimated Completion Date:
Unknown

The design of this project has been temporarily suspended to complete the design work on other projects. Plotting the mylar and profile, plotting and inking the cross sections, tracing the plan and profile linens and laying and computing the grades are all 100% complete. The design remains 22% complete with 164 man days used to date.

I IG 90-3(27)172
Garrison E&W (West Section)
Construction Staking
4.247 Miles
Powell County

Matt J. Vranish, Manager
Field Project
Deer Lodge, Montana

Construction staking is 17% complete. Work has been suspended due to resumption of construction project I IG 90-3(39)176.

F 249(18)
Helena West
Design
6.2745 Miles
Lewis & Clark County
Design Started: December 7, 1970

VTN. Inc.
Helena, Montana
Probable Completion Date:
Undetermined

Public Hearing was held November 8, 1976.

F 249(19)
Avon - Elliston
Location Survey
12.136 Miles
Powell County

Gerald S. Ditto, Field
Project Manager
Helena, Montana
Estimated Completion Date:
Unknown

Survey has been suspended, temporarily, due to construction project. There has been a total of 511½ days expended to date. Line and Levels runs are 100% complete. Cross sections taken are 39% complete and topography is 40% complete. Project as a whole is 42% complete.

RS 250(3)
Gregson Road
Design
2.969 Miles
Silver Bow County

Raymond M. Grant
Designer II
Butte, Montana
Probable Completion Date:
December 16, 1977

Design work for the period consisted of checking the hardshell, inking cross section, and plotting topography on cross sections. A two man crew worked 9 man days for a total of 20 man days used to date. Cross sections plotted, topoged, and inked are 100%. Design for the project as a whole is 9%.

RS 393-1(1)3
Basin Creek Road
Design
2.850 Miles
Silver Bow County

Raymond M. Grant
Designer II
Butte, Montana
Estimated Completion Date:
September 23, 1977

Work for the period consisted of tracing plan and profile linens from Sta. 50+00 to end of project, tracing will be completed when alignment is established. A two man crew spent 3 man days for a total of 40 man days used to date. Tracing of linens is 50% complete. Design work as a whole is 11% complete.

S 452(1) Section 2
Whitehall - Jefferson Island
Design
1.041 Miles
Madison & Jefferson Counties

Raymond M. Grant
Designer II
Butte, Montana
Probable Completion Date:
Unknown

The design work on this project has been suspended awaiting the bridge end elevations and design from the Bridge Dept. The mylar and profile plotted; the plan and profile linens traced, and the cross sections plotted and inked are all 100% complete. The design remains 10% complete with 40 man days used to date.

## PRECONSTRUCTION

M 1810(1)
Grand Avenue - Butte
Design
1.3745 Miles
Silver Bow County

Raymond M. Grant
Designer II
Butte, Montana
Probable Completion Date:
January 5, 1978

There was no work on the project during this period. Design work has been temporarily suspended to complete work on other projects. It is estimated that work will begin again by May 12, 1977. The plan and profile linens are traced for 1.4 miles and are 45% complete. The cross sections plotted inked and topoged are 95% complete and the profile revised and plotted is 95% complete.

M 5807(1)
Neill to Lyndale on North
Last Chance - Helena
Location Survey
0.8 Miles
Lewis & Clark County

Engineer: Unassigned
Probable Completion Date:
Undetermined

Field location work on this project will commence when a crew is available.

## CONSTRUCTION

I 15-2(34)103 Unit 4
Divide - North
The construction of a Dual Rest Area, Lighting, Signing and Related Items
Silver Bow County
Contract Let: June 12, 1975
Bid Price: $377,474.95
Work Started: July 21, 1975

Ingram - Clevenger, Inc.
Helena, Montana
Irvin Broell, Manager
Field Project
Divide, Mt. Tel. 267-2263
Contract Time: 200 Working Days
Probable Completion Date:
April 29, 1977

Project on winter shutdown. Work remaining consists of installation of curbing and landscaping work under Change Order No. 2 which will be accomplished next spring. Project as a whole is 99% complete with 99% of the contract time elapsed. There are two Engineers assigned to this project and they are presently working on the Basin - Boulder location.

I 15-2(35)111 Unit 1
I 15-2(36)118
Deer Lodge Pass North & Nissler South Roads
Grading, Agg. Surfacing, Plant Mix Bit. Surf. & Signing
Silver Bow County
7.792 Miles
Contract Let: Sept. 20, 1973
Bid Price: $2,694,875.50
Work Started: Oct. 18, 1973

McIntyre Constr. Co. & S. Birch
Great Falls, Montana
Matt Vranish, Manager
Field Project
Deer Lodge, Mt. Tel. 846-1694
Contract Time: 360 Calendar Days
Completion Date:
July 19, 1976

I 15-2(35)111 Unit 1
I 15-2(36)118 Cont'd. Cont'd.
Checking of Final Data is progressing in the Division Office. It is estimated that Final Data will be sent to Helena on May 27, 1977.

I 15-2(37)134 &
I 15-3(25)135 Unit 1
Butte North & Woodville North
Grading, Surfacing
and Plant Mix Bit. Base
6.499 Miles
Silver Bow & Jefferson Counties
Contract Let: January 9, 1975
Bid Price: $3,734,970.05
Work Started: March 17, 1975

McIntyre Constr. Co. &
S. Birch Inc.
Great Falls, Montana
Frank Caprara, Manager
Field Project
Butte, Mt. Tel. 792-5841
Contract Time: 260 Working Days
Probable Completion Date:
September 9, 1977

Project is on winter shutdown. Project as a whole is 63% complete with 52% of the contract time elapsed. Construction layout as a whole is 80% complete. The 6 man Engineering crew is presently on the Basin-Boulder location.

I 15-2(38)120, I 115-2(6)126,
I 90-4(25)205, & I 90-4(31)207
Nissler - East Butte, Inter., Butte Spur
Opportunity Junction - Homestake Pass Road
and Opportunity Interchange
4 - Lane Safety Upgrade
30.7 Miles
Silver Bow & Deer Lodge Counties
Contract Let: April 25, 1975
Bid Price: $1,577,086.10
Work Started: June 23, 1975

Western Sign Corp. Lewis Constr.
Co. & Cascade Electrcial Co. (JV)
Great Falls, Montana
Robert Wilson, Manager
Field Project
Butte, Mt. Tel. 792-9937
Contract Time: 150 Working Days
Completion Date:
November 16, 1976

Final Data was submitted to Division Office on April 22, 1977. It is estimated that Final Data will be sent to Helena on July 15, 1977.

I 15-3(25)134 Unit 2
Woodville - North Road
The construction of a dual 148.0
foot prestressed concrete girder
overpass (Woodville Interchange), a dual 123.0'
Concrete girder overpass (Sawmill
Gulch Separation) and a dual 128.0
foot prestressed concrete girder overpass
(Trask Interchange)
0.075 Miles
Jefferson County
Contract Let: Oct. 17, 1974
Bid Price: $806,060.40
Work Started: May 19, 1975

McEachern Constr. Co.
Butte, Montana
Loren Matkin, Manager
Field Project
Warm Springs, Mt. Tel. 693-2242
Contract Time: 230 Working Days
Completion Date:
November 6, 1976

Final Inspection and Acceptance November 30, 1976. It is estimated that Final Data will be sent to Helena on June 17, 1977.

I 15-3(26)140 Unit 1
Elk Park - South
Grading, Aggregate Surfacing
Plant Mix Bituminous Base,
Fencing and Signing
Jefferson County
2.4 Miles
Contract Let: August 26, 1976
Bid Price: $1,549,787.98
Work Started: Sept. 14, 1976

McIntyre Constr. Co. &
S. Birch Inc.
Great Falls, Montana
Bill Bork, Manager
Field Project
Boulder, Mt. Tel. 225-3878
Contract Time: 150 Working Days
Probable Completion Date:
November 11, 1977

Project on winter shutdown. Project as a whole is 43% complete with 27% of the contract time elapsed. Construction layout as a whole is 82% complete. The 5 man Engineering crew is assigned to Basin-Boulder location.

FH 28-1(3)
MacDonald Pass East & West (West Section)
Grading, Aggregate Surf., Pl. Mix
Bit. Base Surf., Seal, Cover,
Signing & Fencing
2.5 Miles
Powell and Lewis & Clark Counties
Contract Let: April 25, 1975
Bid Price: $2,227,170.70
Work Started: June 5, 1975

Meyer Constr. Co.
Billings, Montana
James Trankel, Manager
Field Project
East Helena, Mt. Tel. 227-5392
Contract Time: 240 Working Days
Probable Completion Date:
June 30, 1977

Work the past period consisted of maintaining P.T.W. and detours. The contractor employed 5 men for 5-8 hour shifts. Project as a whole is 74% complete with 81% of the contract time elapsed. Construction layout as a whole is 89% complete with 1 Inspector engaged.

RS 34(7)
Wisdom - South
Grading, Agg. Surf., Pl. Mix
Base, Seal & Cover
10.160 Miles
Beaverhead County
Bid Price: $1,609,681.60
Contract Let: June 29, 1976
Work Started: July 26, 1976

Clark Bros. Contractors
Victor, Montana
William Birkenbuel, Manager
Field Project
Wisdom, Mt. Tel. 689-2255
Contract Time: 175 Working Days
Probable Completion Date:
October 14, 1977

Project is on winter shutdown. Project as a whole is 61% complete with 45% of the contract time elapsed. Construction layout as a whole is 97% complete. There is a 7 man engineering crew assigned to this project and they are presently doing location work with two men being assigned to SMP 0499-77.

HHS 089-1(001)
Various Intersections U.S. #91
in Dillon
Signing and Flashers
0.00 Miles
Beaverhead County
Contract Let: November 18, 1976

S&S Construction
Helena, Montana
Irvin C. Broell, Manager
Field Project
Divide, Mt. Tel. 267-2263
Contract Time: 30 Working Days

HHS 089-1(001) Cont'd.
Bid Price: $14,714.84
Work Not Started

Probable Completion Date:
June 10, 1977

Preconstruction Conference held February 15, 1977.

I 90-3(34)193 Unit 1
I IG 90-4(26)194 U1 & RS 304(12) Unit 1
Racetrack-North, Warm Springs-North & South and Galen East
Grading and Structures
13.083 Miles
Powell & Deer Lodge Counties
Contract Let: April 29, 1976
Bid Price: $7,050,419.49
Work Started: June 10, 1976

Washington Construction Co.
Missoula, Montana
John T. McGeever, Manager
Field Project (Road)
Warm Springs, Mt. Tel. 693-2242
Loren Matkin, Manager
Field Project (Bridge)
Warm Springs, Mt. Tel. 693-2242
Contract Time: 260 Working Days
Probable Completion Date:
September 15, 1977

Road
Work the past period consisted of fencing and installing culverts and conducting grading operations. Contractor employed 44 men for 10-8 hour shifts. Project as a whole is 68% complete with 32% of the contract time elapsed. Construction layout as a whole is 82% complete with 12 Engineers and 2 Inspectors engaged.

Bridges
Structure on the Racetrack No. & So. Rd. & (3) Dual Structure on the Warm Springs No. & So. Rd. Progress during the past period was good. Work consisted of: Sta. 812+05.20 - finishing inside faces of backwalls; placing deck & curb reinf. steel, all spans. The steel bridge rail arrived. Sta. 842+26.32 (W.B.) - finishing inside faces of backwalls & tightening up the high strength bolts, all spans. (E.B.) finishing inside faces of backwalls; forming on deck & overhang, all spans. All of (E.&W.B.) steel bridge rail & superstructure reinf. steel arrived. Sta. 1049+68.60 (W.B.) - placing concrete, stripping, finishing & curing wing wall curbs; finishing on inside & outside face of deck. (E.B.) finishing inside face of Abut. No. 4 Sta. 1150+10.00 (E.B.) placing concrete - all iter: & end diaph's. & deck, all spans. Percent complete for the items are as follows: Conc. Cl. AD, 72%; Prebeams - Type A & Type 4, all 100%; Struct. Steel Item 431001000, 100%; Struct . Steel 431001010, 94%; Struct. Excav.-Type 1, 100%; Test Pile Item 461020000 & Item 461020001, 100%; Furn. & Drive T.T. Pile, 100%; Pile Pre-bore Holes, 100%; Reinf. Steel 65%; Br. Rail-Steel Type 5, 3% & Protective Coat, 36%. The structures as a whole are 80% complete, for the working days used & percent of contract time elapsed see road Mgr's. report. During the past period the Br. Sub-Contr. (McIntyre Const. Co.) worked 10-8 hr. shifts with 22 men employed. Construction layout is 75% complete with a 4 man engineering crew assigned.

I IG 90-3(39)176
Garrison East & West (East Section)
Grading, Agg. Surf., Pl. Mix
Bit. Surf., Signing, Fencing and
the construction of a 303.76' steel
girder underpass (Beckhill Interchange)
and one 21.33' concrete slab overpass
(Junior Grade Separation)
3.560 Miles
Powell County
Contract Let: February 26, 1976
Bid Price: $3,718,181.56
Work Started: June 30, 1976

Max J. Kuney Co.
Spokane, Washington
Matt J. Vranish, Manager
Field Project (Road)
Deer Lodge, Mt. Tel. 846-1694
Robert Gilman, Manager
Field Project (Bridges)
Deer Lodge, Mt. Tel. 846-3344
Contract Time: 240 Working Days
Probable Completion Date:
November 18, 1977

Road
Work the past period consisted of conducting grading operations and installing culverts. The contractor employed 60 men for 10-8 hour shifts. Project as a whole is 37% complete with 44% of the contract time elapsed. Construction layout as a whole is 96% complete with 8 Engineers and 1 Inspector engaged.
Bridges
Junior Grade Separation at Sta. 386+49.1: No work.
Beckhill Interchange at Sta. 338+00.00: Forming, placing and tying Reinforcing Steel, and placed concrete in Abutments No. 1 backwall and No. 3 crossbeam. Stripping forms Abutment No. 1 backwall and Abutment No. 3 crossbeam. Forming, placing and tying Reinforcing Steel in Abutment No. 3 backwall and wingwalls, Backfilling around footing and setting fixed shoes on Bent No. 2. Making preparations for setting and splicing Structural Steel beams spans.No. 1 and No. 2. Percentages complete for the items are as follows: Structure Excavation 90%; Reinforcing Steel 46%; Class AD Concrete 65%; Traffic Control 18%; Mobilization 30%; Structural Steel 0.2%; Furnish Steel Bearing Piles 100%; Drive Steel Bearing Piles 100%. The contractor worked nine (9) eight (8) hour shifts employing an average of six (6) men on structures during the past two week period. The structural section of the project is 32.1% complete. For other information please refer to the road engineers report.

I IG 90-4(26)194 Unit 2
& RS 304(12) Unit 2
Warm Springs - North & South
and Galen - East Road
The construction of a dual 133.0' prestressed concrete girder overpass, 5 concrete slab structures and a dual 85.0' prestressed concrete girder bridge on project I IG 90-4(26)194 U2 and the construction of a 121.5' prestressed concrete girder bridge on project RS 304(12)U2
0.075 Miles
Deer Lodge County

Contract Let: July 24, 1975
Bid Price: $1,081,047.36
Work Started: November 26, 1975
McEachern Const. Co.
Butte, Montana
Harold Wiebe, Manager
Field Project
Warm Springs, Mt. Tel. 693-2276
Probable Completion Date:
July 1, 1977

Contractor did not work the past two weeks on Project No. I IG 90-4(26)194 U2 Warm Springs North & South or Project No. RS 304(12)U2 Galen East. Percentages complete for items are as follows: Unclassified Channel Excavation 85%, Structure Excavation 88%, Reinforcing Steel 82%, Class AD Concrete 90%, Structural Steel 89%. Shoring & Crib 98%. Filter Material 85%, Gravel Blanket 87%, Class II

I IG 90-4(26)194 Unit 2
& RS 304(12) Unit 2 Cont'd.
Rip Rap 80%, Mobilization, Steel Beam Bridge Rail Type 5 45%, Pre-Stressed Beams Type A 60 Ft. 100%, Pre-Stressed Beams Type 4 85 Ft. 100%, Pre-Stressed Beams Type A 35 Ft. 100%. The project as a whole is 84% complete with 75% of the contract time elapsed.

RF 171(17) & RS 167(10)
Harrison - North & South
and Cardwell - Southeast
Grading, Agg. Surfacing and
Pl. Mix Bit. Surfacing
8.3 Miles
Madison, Gallatin & Jefferson Counties
Contract Let: November 24, 1975
Work Started: December 17, 1975
Bid Price: $2,060,160.58

McEachern Const. Co.
Butte, Montana
George Buckman, Manager
Field Project
Harrison, Mt. Tel. 685-3440
Contract Time: 200 Working Days
Completion Date:
January 14, 1977

Work on Final Data is 87% complete in the Field Office with a 5 Man crew engaged. It is estimated that Final Data will be sent to Helena on August 26, 1977.

RF FF 249(27)
MacDonald Pass East & West (East Section)
Grading, Agg. Surf., Pl. Mix
Bit. Base Surf., Seal, Cover
Signing & Fencing
4.1 Miles
Lewis & Clark County
Contract Let: Dec. 16, 1976
Bid Price: $2,865,627.44
Work Started: Jan. 24, 1977

Meyer Const. Co.
Billings, Montana
James Trankel, Manager
Field Project
East Helena, Mt. Tel. 227-5392
Contract Time: 240 Working Days
Probable Completion Date:
August 31, 1978

Work the past period consisted of clearing and grubbing, erecting fence, crushing gravel and conducting grading operations. The contractor employed 22 men for 10-8 hours shifts. Project as a whole is 55% complete with 2% of the contract time elasped. Construction layout as a whole is 74% complete with 13 Engineers and 2 Inspectors engaged.

HHS 261(15)
Racetrack Overpass
Pl. Mix Bit. Overlay and
Guard Rail Installation
0.0 Miles
Deer Lodge County
Contract Let: October 28, 1976
Bid Price: $138,895.50
Work Not Started

Jim Gilman, Excavating Co.
Butte, Montana
John McGeever, Manager
Field Project
Warm Springs, Mt. Tel. 693-2242
Contract Time: 30 Working Days
Probable Completion Date:
May 27, 1977

Preconstruction Conference held March 2, 1977.

FF 401(3)
Intersection of Montana Ave.
and Billings Ave. in Helena
Signalization
0.00 Miles
Lewis & Clark County
Contract Let: August 26, 1976
Bid Price: $27,859.23
Work Started: October 7, 1976

S&S Construction
Helena, Montana
Gerald Ditto, Manager
Field Project
Helena, Mt. Tel. 442-9762
Contract Time: 45 Working Days
Probable Completion Date:
May 20, 1977

No work. Awaiting arrival of materials. Project as a whole is 21% complete with 0% of the contract time elapsed. Construction layout as a whole is 75% complete. There are 4 Engineers assigned to this project.

SMP 0499-77 (State Optioned)
Maintenance Crushing
Broadwater, Beaverhead and
Gallatin Counties
Contract Let: February 24, 1977
Bid Price: $119,000.00
Work Started: March 23, 1977

Jim Gilman Excavating, Inc.
Butte, Montana
Russell R. Yarnall, Materials
Supervisor III
Butte, Mt. Tel. 494-3666
Contract Time: 65 Working Days
Probable Completion Date:
May 27, 1977

Work the past period consisted of completing crushing in the Gallatin County Pit No. 1620-55. The contractor employed 6 men for 10 -10 hour shifts. Project as a whole is 70% complete with 11% of the contract time elapsed. There are 3 Engineers on this project.

M 1803(2)
Harrison Ave. and Amherst
St.-Butte
Signal Modification, Signing
and Channelization
0.00 Miles
Silver Bow County
Contract Let: June 28, 1976
Bid Price: $30,854.50
Work Started: October 12, 1976

Western Sign Corp.
Great Falls, Montana
Robert Wilson, Manager
Field Project
Butte, Mt. Tel. 792-9937
Contract Time: 45 Working Days
Probable Completion Date:
April 29, 1977

No work the past period. Project as a whole is 47% complete with 40% of the contract time elapsed.

M 1804(2)
West Park St.-Butte
Butte-Brown's Gulch Road
Grading, Agg. Surf., Pl. Mix
Bit. Base Pl. Mix Bit. Surf.,
Signing, Lighting & Traffic Signals
0.5 Miles
Silver Bow County
Contract Let: January 27, 1977
Bid Price: $525,301.20
Work Started: March 15, 1977

Jim Gilman Excavating, Inc.
Butte, Montana
Joseph Bettle, Manager
Field Project
Butte, Mt. Tel. 494-4172
Contract Time: 130 Working Days
Probable Completion Date:
November 18, 1977

M 1804(2) Cont'd.
Work the past period consisted of excavating street, installing storm sewers, culverts and working on retaining walls. The contractor employed 13 men for 10-8 hour shifts. Project as a whole is 15% complete with 4% of the contract time elapsed. Construction layout as a whole is 70% complete with 3 Engineers and 3 Inspectors engaged.

M 5805(1)
Signal Modification of various
Intersection in the City of Helena
0.00 Miles
Lewis & Clark County
Contract Let: May 27, 1976
Bid Price: $25,327.50
Work Not Started

Skinner Enterprises
Helena, Montana
Gerald Ditto, Manager
Field Project
Helena, Mt. Tel. 442-9762
Contract Time: 30 Working Days
Probable Completion Date:
June 17, 1977

Preconstruction Conference was held June 11, 1976.

Richard B. Dundas, P.E. Supervisor
Division Construction Section-Butte

RBD/GBH/LCO/cu

RECEIVED
MAY 2 1977
CONSTRUCTION BUREAU

P. O. Box 1110
Bozeman, Montana 59715

April 29, 1977

Progress Report
Division 2230

Department of Highways
Helena, Montana 59601

Gentlemen:

Following is a report covering construction and preconstruction operations in the Bozeman Division for the two week period ending April 29, 1977. Warm and dry weather has been experienced during the past two weeks.

## P R E C O N S T R U C T I O N

F 11-1(1)54 — Engineer Unassigned
Park Street - Livingston
Length - 1.6 Miles

A plan-in-hand inspection was held on April 6, 1977.

F 13-1(1)24 — Engineer Unassigned
8 Mi. South of Cameron - South
Length - 6.0 Miles

All information requested from the field has been transmitted to Helena.

F 13-1( )30 — Engineer Unassigned
3 Mi. South of Cameron - South
Length - 5.0 Miles

All information requested from the field has been transmitted to Helena.

F 20(4) US 191 Spur — Roger E. Blossom, PE, FPM
Approx. Length - 6.7 Miles — Phone: 586-5074 Bozeman
Estimated Completion Date: July 1977

A survey crew is again working on this location survey, but no report has been received at the time of this letter.

F 29-1(3)16 — Engineer Unassigned
Virginia City Hill
Length - 0.9 Mile

All information requested from the field has been transmitted to Helena.

FH 42-3(2)
Slide Near Karsts
Gallatin County

Roger E. Blossom, PE, FPM
Phone: 586-5074 Bozeman

All information requested from the field has been transmitted to Helena.

F 45-1(1)15
Big Timber - North
Length - 11.4 Miles

George A. Sitton, Acting FPM
Phone: 222-1965 Livingston

All requested data was transmitted to Helena on March 11, 1977.

F 50-2(1)88
Signals
Intersection of Main with 3rd &
5th Ave. - Bozeman

Engineer Unassigned

A plan-in-hand inspection for this project was held April 7, 1977.

F 60(15)
Clyde Park - N & S

Roger E. Blossom, PE, FPM
Phone: 586-5074 Bozeman

All information requested from the field has been transmitted to Helena.

ROS 76 (10)
US 191 Gallatin Canyon Safety
Partial Survey for Future Safety
Upgrade

Roger E. Blossom, PE, FPM
Phone: 586-5074 Bozeman

All information to be supplied by the Division as outlined in the plan-in-hand report was transmitted to Helena on March 11, 1977.

F 86-1(1)0
Rouse Ave. & Lamme St. Int.-Bozeman

Engineer Unassigned

A plan-in-hand inspection was held on April 7, 1977.

F 86-1( )
8 Mi. South of Park Co. Line - South
Length - 6.0 Miles

Engineer Unassigned

A plan-in-hand inspection has been scheduled for May 17, 1977.

F 86-1( )
Park Co. Line - South
Length - 8.1 Miles

Engineer Unassigned

All information requested from the field has been submitted to Helena.

IR 90-6( ) — Engineer Unassigned
Rocky Canyon (PMS Overlay)
Length - 5.3 Miles

No information has been requested from the field.

I 90-6( )315 — Engineer Unassigned
Bozeman Pass - West, Rest Area

No information has been requested from the field to date.

I 90-7(17)350 — Roger E. Blossom, PE, FPM
Springdale - Big Timber — Phone: 586-5074 Bozeman
Length - 13.477 Miles

All requested work has been completed.

I 90-7(18)364 — Ronald T. Hoyem, FPM
Big Timber - Greycliff — Phone: 932-3272 Big Timber
Length - 10.814 Miles

All information requested from the field has been submitted to Helena.

I 90-7(21)339 — Roger E. Blossom, PE, FPM
Springdale - West — Phone: 586-5074 Bozeman
Length - 9.2 Miles

All requested work has been completed.

I 90-7(34)375 — Ronald T. Hoyem, FPM
Greycliff - East — Phone: 932-3272 Big Timber
Access Road (Prairie Dog Town)
Length - 0.440 Mile

All requested information has been transmitted to Helena.

I 90-7(36)321 U-2 — Engineer Unassigned
Bozeman Pass - East
Rest Area & Sand House

No information has been requested from the field to date.

I 90-7(40)332 — William F. Nimmons, FPM
Snow Fence — Phone: 586-5074 Bozeman
Approx. Length - 5.0 Miles

An on-site inspection was held on April 8, 1977 and all data collected over winter has been submitted to Helena.

F 91-1(1)0
Big Timber - E & W
Signs, Traffic Cont. Devices

Engineer Unassigned

No information has been requested from the field to date.

F 171(16)
Norris Hill
Length - 9.0 Miles

William F. Nimmons, FPM
Phone: 586-5074 Bozeman
Estimated Completion Date: April 1978

There was no report received at the time of this writing.

HHS 370(26)
Bridger Canyon
Approx. Length - 1.8 Miles

William F. Nimmons, FPM
Phone: 586-5074 Bozeman

A public hearing was held on April 27, 1977.

S 478-1(1)0
Big Timber - North & East
Approx. Length - 9.0 Miles
Survey Started: 5-28-74

Ronald T. Hoyem, FPM
Phone: 932-3272 Big Timber
Estimated Completion Date: 5-1-77

A five-man survey crew spent one day on the drainage survey. The location survey as a whole is approximately 90% complete.

RS 563-1(1)0
Springdale - Hunter's Hot Springs
Approx. Length - 2.2 Miles
Survey Started: 1-5-77

George A. Sitton, Acting FPM
Phone: 222-1965 Livingston
Estimated Completion Date: 5-13-77

A five-man survey crew spent two days working on the bridge situation survey. This location survey is now approximately 95% complete.

M 1201(1)
North 19th - Bozeman
Approx. Length - 0.4 Mile
Survey Started: 1-15-75

Engineer Unassigned

A plan-in-hand inspection was held on April 20, 1977.

M 1202(1)
Oak Street - Bozeman
Approx. Length - 0.8 Mile
Survey Started: 7-26-76

Engineer Unassigned

All information requested to date has been transmitted to Helena.

M 1212(1)
Kagy Lane - Bozeman
Approx. Length - 1.1 Miles

Engineer Unassigned

A plan-in-hand inspection was held on April 20, 1977.

SRS 4148(52)
BN, Inc. Signals - Off-System
Oregon St. - Belgrade
Northwest of Springdale

Roger E. Blossom, PE, FPM
Phone: 586-5074 Bozeman

All requested information has been submitted to Helena.

## C O N S T R U C T I O N

F 64-1(1)0 Big Sky Spur
Length - 3.0 Miles
Gravel Surf., Pl. Mix Surf.

Roger E. Blossom, PE, FPM
Phone: 586-5074 Bozeman

This project has been advertised for the letting of April 28, 1977.

I 90-6(30)309, I 90-6(36)315 U-2
I 90-7(38)318
Rocky Canyon Safety, Bozeman Pass-West and Bozeman Pass - East (West Section)
Grade, Agg. Surf., Pl. Mix Base, Structure
Length - 7.0 Miles
Contract Awarded: 5-28-76
Contract Amount: $9,845,689.09
Proceed Order Date: 6-22-76
Work Started: 7-6-76

Goodfellow Brothers, Inc.
Wenatchee, Washington
Richard W. Saltzman, FPM
Phone: 587-4186 Bozeman
Contract Time: 300 Working Days
Probable Completion Date: 1978

Progress has been fair with the contractor employing 24 men and working two 8-hr. shifts. Goodfellow Brothers have been ripping rock in the area between Sta. 144+00 and 150+00. Material from the cut area between Sta. 145+00 and 155+00 is being placed between Sta. 155+00 and 166+00. Finish work on the subgrade and topsoil placement on the frontage road between Sta. 190+00 and 251+00 is also in progress. The subcontractor, Bozeman Sand and Gravel, began hauling 1½" base course to the frontage road from Sta. 199+00 ahead. All traffic is being routed on the eastbound lane of the completed interstate for 1½ miles near the west end of the project. A 14-man engineering crew is assigned to this project which is 26% complete with 33% of the contract time elapsed. The contractor has 204 working days of contract time remaining.

I 90-7(36)321 U-1
Bozeman Pass-East (East Section
Length - 5.6 Miles
Grading, Agg. Surf., Pl, Mix Bit,Base
Fencing, Signing, Structures
Dual 123.0' Steel and Conc. Overpass
Dual 78.0' Steel and Conc. Overpass
Contract Awarded: 8-27-75
Contract Amount: $5,703,449.81
Proceed Order Date: 9-18-75
Work Started: 9-15-75

Clark Brothers Contractors
Victor, Montana
George A, Sitton, Acting FPM
Phone: 222-1965 Livingston
Contract Time: 250 Working Days
Probable Completion Date: 11-1-77

Progress has been poor with the contractor employing between 1 and 16 men and working one 8-hr. shift. Grading operations were resumed on April 25 and gravelling operations were started on April 26. Three inch Base Course was placed on the eastbound lane between Sta. 450+00 and 466+00 and 1½" gravel was placed on the eastbound lane between Sta. 566+00 and 585+00. An eleven-man survey crew is assigned to this project which is 78% complete with 59% of the contract time elapsed. The contractor has 111 working days of contract time remaining.

ROS 4144 (52) U-2
Manhattan - Belgrade
Bridge End Guardrail
Length - 0.335 Mile
Contract Awarded: 2-24-77
Contract Amount: $34,016.70
Proceed Order Date: 4-18-77
Work Started: April 11, 1977

Western Sign Corporation
Great Falls, Montana
Roger E. Blossom, PE, FPM
Phone: 586-5074 Bozeman
Contract Time: 40 Working Days
Probable Completion Date:

There was no report at the time of this writing.

SMP 0499-77
Crush and Stockpile
Broadwater, Beaverhead & Gallatin Co.
Contract Awarded: 2-28-77
Contract Amount: $119,000.00
Proceed Order Date:
Work Started: April 13, 1977
Gallatin County

Jim Gilman Excavating, Inc.
Butte, Montana
Walter H. Deighton, Lab Supr. 3
Phone: 586-9562 Bozeman
Contract Time: 65 Working Days

Crushing and stockpiling operations on the Grayling Creek site were completed on April 25. Only pit reclamation and seeding remains for completion of the project in this pit.

Respectfully,

Richard C. Holmes, PE, Supr.
Division Construction Section

RCH:EJR:wb
cc: Gary A. Gilmore, PE, Division Traffic Engineer
Bozeman Division Lab
Bozeman Division Office

DEPARTMENT OF HIGHWAYS
GREAT FALLS, MONTANA
MAY 2, 1977

APR 28 1977
CONSTRUCTION BUREAU

Department of Highways
Helena, Montana

Progress Report
Division 3130

Gentlemen:

Herewith is the Progress Report covering work accomplished in Division 3130 during the period April 19, 1977 thru May 2, 1977.

## GENERAL

Weather has been clear to overcast with temperatures ranging from $35^{0}$ to $80^{0}$ with some rain and snow showers causing slight work slowdown.

## PRE-CONSTRUCTION

RF 25 (2) - Gt. Falls, Airport Access Rd.
Length: 0.7 miles - Cascade County
Design Started: June 2, 1975

R. Fransen - Designer II
Great Falls - Phone #452-2361
Prob. Comp. Date: Dec. 31, 1977

No work during this reporting period. Design remains 46% complete.

F 64 (15) - Gt. Falls East
Length: 9.537 miles
Design Started: Sept. 7, 1976

R. Fransen - Designer II
Great Falls - Phone #452-2361
Prob. Comp. Date: Dec. 31, 1977

No work during this reporting period. Design remains 17% complete.

RS 77 (7) - Cascade - Ulm Loop
Location Survey
Length: 26.5 miles
Survey Started: January 12, 1976

F. Robinson - Mgr. F.P.U.
Great Falls - Phone #453-2573
Prob. Comp. Date: May 15, 1977

15 man-days used during this period Plotting Profile and Drawing Hardshell. The survey is 93% complete with 1519 man-days used to date.

F 80-1 ( ) - Overlay
Fort Benton - Geraldine
Length: 9.5 miles
Design Started: March 7, 1977

R. Fransen - Designer II
Great Falls - Phone #452-2361
Prob. Comp. Date: April 29, 1977

No work during this reporting period. Design remains 50% complete.

Department of Highways

May 2, 1977

RS 220-1 (2) - Farmington - North
Length: 8.5 miles
Design Started: June 21, 1971

R. Fransen Designer II
Great Falls - Phone #452-2361
Prob. Comp. Date: July 31, 1977

Three men worked 21 days making P.I.H. changes. Design is 56% complete.

RS 220-1 (2) - Agawam - NOrth
Length: 3.6 miles
Design Started: June 21, 1971

R. Fransen Disigner II
Great Falls - Phone #452-2361
Prob. Comp. Date: July 31, 1977

Two men worked 6 days making P.I.H. changes. Design is 52% complete.

RF 236 (8) - Dupuyer No. & So.
Teton & Pondera Counties
Location Survey
Length: 20+ miles
Survey Started: Feb. 16, 1977

Tom Hammerbacker - Mgr. F.P.U.
Conrad - Phone #278-5412
Prob. Comp. Date: July 1977

Four man crew spent 34 man-days during period Running Centerline. Survey is 18% complete with 153 man-days used to date.

RF 238 (13) - Bowman's Corner - Augusta
Location Survey
Length: 14.8 miles
Survey Started: December 27, 1976

Harry Strong - Mgr. F.P.U.
Great Falls - Phone #452-2361
PRob. Comp. Date: June 30, 1977

6 man-days used during this period on Section Tie Investigation. Survey remains 38% complete with 384 man-days used to date.

RS 348 (18) - 5 miles South of Fort Benton South
Location Survey
Length: 3.3 miles
Survey Started: February 18, 1976

G. Enderson - Mgr. F.P.U.
Great Falls - Phone #453-2573

Chouteau County Commissioners have removed this project from priority. Further work is in a hold pattern.

RS 565-1 (1) - Simms - North
Cascade & Teton Counties
Location Survey
Length: 1.1 miles
Survey Started: April 4, 1977

Harry C. Strong - Mgr. F.P.U.
Great Falls - Phone #452-2361
Prob. Comp. Date: May 20, 1977

38 man-days used during this reporting period Cross Sectioning, Taking Topog. and making Section Ties. Survey is 68% complete with 68 man-days used to date.

Department of Highways

May 2, 1977

M 5201 (1) - 6th St. Great Falls
Part I - 100%
Part II - 100%
Route Location Study Report - 90%
Length: 1.3 miles - Cascade County
Design Started: Sept. 26, 1972

Jensen & Heberly - Consultants
Great Falls - Phone #453-5478

Part II (Station 40+65 to Station 68+00) Received signing reproducibles back for further corrections on March 3, 1977. Hand delivered construction and signing reproducibles with all corrections completed on April 5, 1977, thus completing Part II.

Route Location Study Report (68+00 to Central Avenue West) Received notification to complete the report on February 16, 1977. Requested funds to complete the report on February 23, 1977, since the last contract increase did not include funds to complete the report. Waiting for approval of funds before commencing work on the report.

M 5203 (1) - 3rd St. to Central Ave. West
Great Falls - Cascade County
Location Survey
Length: 0.5 miles
Survey Started: April 11, 1977

Frank Robinson - Mgr. F.P.U.
Great Falls - Phone #453-2573
PRob. Comp. Date: June 1, 1977

Location Survey was authorized December 22, 1976. 36 man-days were used establishing and Setting Benchs, Running Levels, Cross Sectioning and taking Topog. Survey is 55% complete with 36 man-days used to date.

## CONSTRUCTION

I 15-3(28) 168 & I 15-4(48) 182
Traffic Control Devices & Guard Rail Revisions
Jefferson & Lewis & Clark Counties
Contract Awarded: June 30, 1976
FHWA Concurrence: July 1, 1976
Contract Amount: $1,048,319.90

Apex Construction Inc., Contractor
P. O. Box 11306
Spokane, Washington 99211
Walt Smith - Mgr. F.P.U.
Cascade - Phone #468-2801
Comp. Time: 150 Working Days
Prob. Comp. Date: July 1, 1977

Progress has been good. Apex - removing and resetting guardrail Helena to Lincoln Interchange and Augusta Interchange to 2 miles North of Craig. Also, installing wood sign poles at Wolf Creek and Augusta Interchanges. Bozeman Sand & Gravel - shoulder widening operations, 1½ miles South of Colonial Interchange to Lincoln Interchange. Isbister - working on inlet grates, Cedar Street Interchange. Items and percent complete are: Remove Guardrail, 99%; Plant Mix Bit., 67%; Sign Poles, 90% and Install Guardrail Posts, 82%. The project as a whole is 73% complete with 56% of the contract time elapsed. Construction layout is 95% complete with a 4 man engineering crew engaged in staking, inspection and records. Intermittent lane closures from Lincoln Interchange to two miles North of Craig.

Department of Highways

May 2, 1977

I 15-5(64) 238 U-1 - Hardy Crk. Ramps
I 15-5(50) 239 U-1 - Cascade N. & S. (N.Sect.)
Add 2 Lanes
Cascade County
Length of Project: 2.9 miles
Contract Awarded: Feb. 28, 1977
FHWA Concurrence: Feb. 28, 1977
Amount of Contract: $459,725.41

Hilde Construction Company
P. O. Box 2287
Great Falls, Montana 59403
D. D. Moore - Mgr. F.P.U.
Great Falls - Phone #453-2573
Comp. Time: 100 Working Days
Prob. Comp. Date: oct. 14, 1977

No progress during this reporting period. Hilde Construction plans to begin work first of August ±. Fencer, Swan and Son have moved off the project. Items and percent complete are: Move & Reset Fence, 40% and Fencing-Temporary, 50%. The project as a whole is 2% complete with 10% of the contract time elapsed. Construction layout is 80% complete with a 5 man engineering crew engaged in layout and other projects.

I 15-5(50) 239 U-2
Cascade North & South
1 Structure & Approaches on Add 2 Lanes
Cascade County
Contract Awarded: January 27, 1977
FHWA Concurrence: January 31, 1977
Work Started: February 24, 1977

Cop Construction Company
P. O. Box 1938
Billings, Montana 59103
K. Minehan, Mgr. F.P.U. (Structure)
D. Moore, Mgr. F.P.U. (Approaches)
Great Falls - Phone #453-2573
Comp. Time: 110 Working Days
Prob. Comp. Date: July 31, 1977

Structures - Progress has been poor, with 3 men employed un-loading deck re-steel, backfilling pre-bore holes at Bents 1 and 4. Building shoring for Bents 2 and 3 footing excavation. Piling has been driven, Bents 1, 2, 3 and 4. Footings are in place, Bents 2 and 3 Lt. and Rt. The structures are 3% complete with 8% of the contract time elapsed. Construction layout is 50% complete with a 3 man engineering crew engaged in layout, inspection and other projects.
Approaches - No progress during this reporting period, subcontractors, Hilde & Clark moved off project March 17, 1977. Items and percent complete are: Exc. Uncl., 100%; Compaction-Roadbed, 100%; Haul, 100% and Move & Reset Fence, 100%. The approaches are 28% complete with 10% of the contract time elapsed. Construction layout is 100% complete with a 5 man engineering crew engaged in other projects.

I 15-5(50) 239 U-3
Cascade North & South
3 Structures & Approaches on Add 2 Lanes
Cascade County
Contract Awarded: July 30, 1976
FHWA Concurrence: July 30, 1976
Amount of Contract: $741,639.13
Work Started: August 19, 1976

Cop Construction Company
P. O. Box 1938
Billings, Montana 59103
K. Minehan, Mgr. F.P.U. (Structures)
D. Moore, Mgr. F.P.U. (Approaches)
Great Falls - Phone #453-2573
Comp. Time: 150 Working Days
Prob. Comp. Date: July 31, 1977

Structures - Progress has been good. There were 8-13 men employed forming deck, placing re-steel, and placing concrete. Structure 1842: Deck is in place. Structure 2095: Deck is in place. Structure 301: Deck has been formed and re-steel is now being placed. Structures are 75% complete with 46% of the contract time elapsed. Construction layout is 90% complete with a 3 man engineering crew engaged in layout, inspection and testing.

Approaches - No progress during this reporting period. Subcontractor, Kraus Const. has not resumed this season. However, has been requested in writing by Prime, Cop Construction. Items and percent complete are: Exc. Uncl., 90%; Compaction-Roadbed, 90% and Haul, 90%. The approaches are 75% complete with 53% of the contract time elapsed. Construction layout is 100% complete with a 5 man engineering crew engaged in other projects.

BRF - TQX 218 (18)
Repair Fire Damage (10-14-75)
S.B. Bridge - Sun River - Gt. Falls
Cascade County
Contract Awarded: July 30, 1976
FHWA Concurrence: July 30, 1976
Amount of Contract: $329,654.68
Work Started: August 20, 1976

Frontier Construction Company
P. O. Box 1242
Missoula, Montana 59801
T. Tomich, Mgr. F.P.U.
Great Falls - Phone #453-2573
Comp. Time: 130 Working Days
Prob. Comp. Date: May 15, 1977

Progress has been fair. Repair Structure is complete except for blending of the concrete, detour road has been removed but requires seeding, work bridge requires removal of some piling, bridge rail requires additional work and painting. Items and percent complete are: Repair Structure, 98%; Detour & Maintain, 96%; Work Bridge, 95% and Bridge Rail 90% with other items 100%. The project as a whole is 97% complete with 53% of the contract time elapsed. Construction layout is 99% complete with a 2 man engineering crew engaged in other projects.

I 15-6(20) 304 - Teton River - N.&S.(S.Sect.)
4.3 miles Grading, Surfacing & Structures
Teton County
Contract Awarded: March 2, 1976
Contract Amount: $4,028,676.22
Work Started: April 1, 1976

Hilde & Maronick Const. Co.(Jv) Contr.
East Helena, Montana
S. Newton, Mgr. F.P.U. (Road)
K. Minehan, Mgr. F.P.U. (Structure)
Brady - Phone #753-2581
Comp. Time: 275 Working Days
Prob. Comp. Date: July 30, 1977

Roadway - Progress has been good. Contractor produced, placed and layed 1½ CBS on N.B. and S.B. Lanes, is presently finishing to 1½ CBS Blues throughout. Began producing and placing 1½ PMBB on April 25, 1977 N.B. Lane. Items and percent complete are: 1½ CBS, 85% and 1½ PMBB, 11%. The project as a whole is 71% complete with 41% of the contract time elapsed. Construction layout is 90% complete with a 13-23 man engineering crew engaged in layout, bluetops, testing, inspection and other projects. Structures - Progress has been fair. Teton River: Contractor painting contact surfaces of rail and rail posts and has began setting same. Concrete finishers working on diaphraghms. Separation Sta. 788: Contractor finished cleaning deck, started stripping deck forms, and is forming curbs.

I 15-6(16) 308 - Teton River - N.&S.(N.Sect.)
2.8 miles, Gr.; Aggr. Surf.; Pl. Mix Bit. Base; Pl. Mix Bit. Surf.; Signing; Prestressed Conc. Grider Gr. Separation
Teton County
Contract Awarded: July 28, 1975
Contract Amount: $2,070,763.97
Work Started: September 9, 1975

Hilde & Maronick Const. Co., (Jv) Contr.
East Helena, Montana
S. Newton, Mgr. F.P.U. (Road)
K. Minehan, Mgr. F.P.U. (Structure)
Brady - Phone #753-2581
Comp. Time: 180 Working Days
PRob. Comp. Date: May 30, 1977

Roadway - Progress has been good. Hilde Construction completed plant mix type 3 on April 18, 1977. Western Sign began Signing April 14, 1977. Items remaining - plant mix patching, Signing, guardrail and cattle guards. Items and percent complete are: Plant Mix Bit. Surf., 100% and Signing, 40%. The project as a whole is 96% complete with 88% of the contract time elapsed. Construction layout is 95% complete with a 5-7 man engineering crew engaged in layout, inspection and other projects. Structures - Final inspection was made November 23, 1976. Supporting data was submitted to division office January 28, 1977. This portion of project is 100% complete, with a 2 man engineering crew engaged in other assignments.

I 15-6(14) 311 & I 15-7(11) 312
Pershing South and Brady - No. & So.
11.5 miles Gr., Agg. Surf., Pl. Mix Bit. Base, Pl. Mix Bit. Surf., Lengthen 2 Add 2 Lanes - Teton & Pondera Counties
Contract Awarded: June 5, 1975
Contract Amount: $3,754,385.95
Work Started: July 16, 1975

Hilde & Maronick Const. Co.(Jv) Contr.
East Helena, Montana
S. Newton, Mgr. F.P.U. (Road)
K. Minehan, Mgr. F.P.U. (Structure)
Brady - Phone #753-2581
Comp. Time: 240 Working Days
Prob. Comp. Date: May 30, 1977

Roadway - Progress has been fair. Contractors engaged in plant mix patching and general cleanup, which are 99% complete. The project as a whole is 99% complete with 86% of the contract time elapsed. Construction layout is 99% complete with a 1 man engineering crew engaged in inspection.
Structures - Structures are 100% complete, with a 2 man engineering crew engaged in other assignments. The supporting data was submitted to Division office January 24, 1977.

I 15-7 (18) 330
E. Frtg. Rd. - Valier Jct. No. & So.
Pondera County
13.84 miles, Grading, Agg. Surf., Pl. Mix Bit. Base, Seal and Cover
Contract Awarded: Nov. 3, 1976
Contract Amount: $1,219,920.50

McIntyre Const. Co. & S. Birch Inc. (Jv)
Great Falls, Montana
Tom Hammerbacker, Mgr. F.P.U.
Conrad - Phone #278-5412
Comp. Time: 140 Working Days
PRob. Comp. Date: August 1977

Progress has been good. Gravel crew set up crusher in Ries Pit April 18, 1977. Pipe crew installing extensions and approach pipes. Scrapers working Sta. 53+00 to Sta. 83+00 and stripping topsoil with 2 TS-14 Sta. 83+00 to Sta. 150+00. Contractor producing ½" cover material, production 80 tons per hour. Items and percent complete are: Grader-Motor, 18%; Scraper, 25% and CSP 18 in., 85%. The project as a whole is 7% complete with 7% of the contract time elapsed. Construction layout is 97% complete with a 5 man engineering crew engaged in layout, testing and inspection.

RS - 434 (3)
Conrad - West
Pondera County
2.3 miles of Grading, Graveling & Surfacing
Contract Awarded: June 30, 1976
Contract Amount: $877,194.60

Hilde Construction, INC. Contr.
P. O. Box 2287, Gt. Falls, Mt. 59403
Tom Hammerbacker, Mgr. F.P.U.
Conrad - Phone #278-5412
P. O. Box 1301, Conrad, Mt. 59425
Comp. Time: 110 Working Days
Prob. Comp. Date: July 1, 1977

Department of Highways May 2, 1977

Progress has been good. Subcontractor Sandon Construction started pouring sidewalks Sta. 37+60 to Sta. 20+80, Lt. side, on April 21, 1977. A four man crew grading for sidewalk. Items and percent complete are: Sidewalk-Concrete 4 in., 22% and Sidewalk-Concrete 6 in., 25%. The project as a whole is 94% complete with 76% of the contract time elapsed. Construction layout is 100% complete with a 4 man engineering crew engaged in testing, inspection and other projects.

SMP 5099-77
Maintenance Crushing
Cascade, Chouteau, Lewis & Clark & Teton Counties
Contract Awarded: Feb. 28, 1977
Contract Amount: $195,450.00

Mortensen Construction Company
P. O. Box 1626, Great Falls, Mt. 59403
Glen Enderson, Mgr. F.P.U.
Great Falls - Phone #453-2573
Comp. Time: 100 Working Days

The contract was let on February 24, 1977, and awarded on February 28, 1977, with order to proceed being issued effective April 18, 1977. Contractor plans to begin work on or about April 29, 1977. Project is 0% complete with 7% of the contract time elapsed.

James T. Sullivan - P.E. -
Supvr. - Division Construction Section

JTS/MRB/ac

Progress Report

STATE OF MONTANA - DEPARTMENT OF HIGHWAYS
HAVRE, MONTANA

April 29, 1977

State of Montana - Department of Highways
Helena, Montana

Gentlemen:

Following please find Division 3230 progress report for the period ending April 29, 1977.

## G E N E R A L

The weather this past reporting period has been generally favorable. The temperatures have ranged from +20° to 82°.

## P R E C O N S T R U C T I O N

RS 12 (20), Turner-Canadian Line
11.0 miles, Blaine County
Preliminary Engineering

L. D. Nelson, E. O. I
Havre, Montana
Telephone No. 265-6821

No work on this project during the past reporting period. Design as a whole is 10% complete with 20 man days used to date.

RS-133 (2) Havre-North
10.0 miles, Secondary Rte. 233
Location Survey

L. D. Nelson, E. O. I
Havre, Montana
Telephone No. 265-6821

No work on this project the past reporting period. Design as a whole is 40% complete.

RS 357 (12) Valier-East
7.2 miles, Pondera County
Location Survey

James A. Dolan, Fld. Proj. Mgr.
Shelby, Montana
Telephone No. 434-2022

There has been no work on the survey the past reporting period. All work was suspended on March 4, 1977 due to working on other projects. Centerline and bench levels are 100% complete, topography is 91% complete, check levels are 90% complete and cross-sections are 79% complete. A total of 229½ man days have been worked to date and the location is 57% complete.

RS 459 (1) Sunburst-East
10.0 miles, Toole County
Preliminary Engineering

Hugh Klepzig, Fld. Proj. Mgr.
East Glacier, Montana
Telephone No. 226-5811

No work on this project this reporting period. The survey was suspended on March 7, 1975. The assigned engineering crew is working on other projects.

## CONSTRUCTION

RS-12 (19) Harlem-Turner
Canadian Line
6.8 miles, Blaine County
Grade, gravel surf., and
pl. mix bit. base
Contract Let: 6/10/76
Contract Amount: $811,910.99
Work Started: 7/23/76

Gus M. Albert
Miles City, Montana
George Nelson, Fld. Proj. Mgr.
Harlem, Montana
Telephone No. 353-2341
Contract Time: 140 working days
Probable Completion Date: 6/10/77

Progress has been good. The contractor, Gus M. Albert, resumed plant mix base operations on April 25, 1977. 3,542 tons of 1" P.M.B.B. were placed for a total of 15,071 tons to date, or 67% complete. All other items are 100% complete except seal and cover, signing, and striping. The project as a whole is 81% complete with 68% of the contract time elapsed. A six man engineering crew is engaged on the project.

U-95 (17) Gildford-Havre-East
U.S. 2 - Havre-Hill County
1.3 mi. grade, gravel, pl. mix surf.,
and stm. sewer
Contract Let: 3/1/76
Contract Amount: $1,434,327.32
Work Started: 4/5/76

Baltrusch Construction Co., and
Affiliates, Havre, Montana
Samuel Hatty, Fld. Proj. Mgr.
Havre, Montana
Telephone No. 265-6821
Contract Time: 160 working days
Probable Completion Date: 7/1/77.

Progress has been fair. The prime contractor has worked ten 8 hr. shifts with up to 40 men employed. The street was excavated from Sta. 543 to Sta. 550 making this item 88% complete. 1,400 tons of 1½" crushed base was placed on the open street subgrade area making this item 80% complete. Concrete was placed at the drain chute site Lt. of Sta. 475+30 making this item 100% complete. The subcontractor, Lockrem Construction Co., resumed installing drop inlets on 4/28/77. The drainage structures as a whole are 90% complete. Another subcontractor Randolph Construction Co., began forming and placing concrete sidewalks 4/20/77. The curbs are 80% complete and the sidewalks are 60% complete to date. The project as a whole is 64% complete with 82% of the contract time elapsed. A six man engineering crew is assigned to inspection and construction layout.

RF 132 (13), Joplin-West
6.154 miles grade, gravel surf.,
and pl. mix surf.
Contract Let: 5/15/75
Contract Amount: $1,758,756.12
Work Started: 9/24/75

Meyer Construction Company
Billings, Montana
Hugh Klepzig, Fld. Proj. Mgr.
East Glacier Park, Montana
Telephone No. 226-5811
Completion Date: 10/15/76

The final estimate and supporting data was submitted to the Division office April 21, 1977.

One to two men worked 7 mandays checking final quantities. Checking final estimate and supporting data is 75% complete and the estimated submittal date is May 6, 1977.

RF-62 (14), & RF-132 (14)
Shelby-Chester, Chester-West
5.36 mile grade, aggr. surf.
Surf. storm sewer, signing & lighting
Contract Let: 12/18/75
Contract Amount: $1,849,676.03
Work Started: 3/26/76

Baltrusch Construction Co., &
Affiliates, Havre, Montana
Al Ullrich, Fld. Proj. Mgr.
Chester, Montana
Telephone No. 759-5329
Contract Time: 200 working days
Probable Completion Date: 7/1/77

Progress has been good. The contractors worked nine 8 to 10 hour shifts with up to 25 to 35 men employed. Resumed type 3 P.M.S. on 4/12/77, final lift, and this item is 97% complete with some approaches remaining. All other contract items are complete except for final cleanup and finishing. The project as a whole is 92% complete with 69% of the contract time elapsed. A five man engineering crew is inspecting contractor's operations. R/W monumentation is 97% complete.

I-IG 15-8 (25) 379
Sunburst-Canadian Line
Sweetgrass South-Sunburst South
Gr., agg. surf., pl. mix
Bit. base, pl. mix bit.
Surf. structures, safety
Correction & pl. mix overlay
19.1 miles - Toole County
Contract Let: 5/27/76
Contract Amount: $4,388,263.28
Work Started: 7/29/76

Hilde Construction Co., Inc. &
Maronick Construction Co.,Inc.(J.V.)
East Helena, Montana
Harold D. Kelly, Fld. Proj. Mgr.
Sunburst, Montana
Telephone No. 937-7111
Structures:
Glen E. Brown, Fld. Proj. Mgr.
Shelby, Montana
Telephone No. 434-2022
Contract Time: 215 working days
Probable Completion Date: 9/30/77

STRUCTURES:
Progress has been good. The subcontractor, Sletten Construction Co., worked seven 8 hour shifts and one ten hour shift with up to 13 men employed. The deck has been poured at Sta. 1419- Sunburst Interchange. It is anticipated that cooler temperatures will be reached, therefore the deck will be blanketed during the curing process. The contractor is presently working on the expansion joint at Sta. 1439. They anticipate pouring part of the deck on May 3, 1977. No work on the structures at Sta. 1644 - McVey Interchange. Hilde Construction Co., is presently putting in the end fills. The subcontract as a whole is 60.6% complete. A 1 to 3 man engineering crew is engaged in inspection on the project.
ROADWAY:
Progress has been good. The contractor, Hilde Construction Co., Inc., worked twenty 9 hour shifts employing 50 to 60 men. 43,369 C.Y. exc. uncl. borrow was placed between Sta. 1625 to 1659 on ramps 11 and 12. 227,481 C.Y. exc. uncl. was placed between Sta. 1659 to 1693 making Emb.+ and related items 66% complete. Installed 24"x70' CSP, 36"x52' CSP, and 29"x32' CSP Arch making drainage and related items 85% complete. The subcontractor, Clark and Son, worked six 9 hour and one 4 hour shifts employing 4 men. Set 5 corner panels and reset 150 rods of fence, making fencing items 81% complete. Applied seed and fertilizer between Sta. 1401+50 to 1612+00 making seeding and related items 21% complete. The contract as a whole

is 40% complete, with 46% of the contract time elapsed. An eight to ten man engineering crew is inspecting contractor's operations.

UTILITIES:

Marias River Electric completed their revisions April 13, 1977. Burlington Northern R.R. completed installations of their revisions July 29, 1976. Three communications poles have been installed, beginning their reclamation of utilities, making their agreement 55% complete.

I-15-8 (28)343 Unit 1
Toole County Line-North
8.33 miles grade, aggr. surf.,
pl. mix base, weigh station
and structures
Contract Let: 2/28/75
Contract Amount: $2,890,398.06
Work Started: 5/1/75

Hilde Construction Co., Inc. and
Maronick Construction Co.,Inc. (JV)
Great Falls, Montana 59403
James A. Dolan, Fld. Proj. Mgr.
Shelby, Montana
Structures;
Glen E. Brown, Fld. Proj. Mgr.
Shelby, Montana
Telephone No. 434-2022
Contract Time: 230 working days
Probable Completion Date: 5/30/77

Progress has been good. The contractor employed up to 6 men on one 9 hour shift per day. The contractor excavated for the ditch liner and misc. cleanup throughout the project. Also seeded and fenced the pit area on April 19, 1977. Bob Clark and Son completed all but 3 acres of the seeding and moved to the Sunburst project on April 15th. Employed 4 men on one 10 hr. shift per day. Swan and Son employed 6 men on one 8 hr. shift per day and the fencing as a whole is 85% complete. The subcontractor, Utility Builders, moved on the project and started placing ditch liner on April 20, 1977. The ditch liner as a whole is 40% complete. Employed up to 8 men on one 8 hr. shift per day. A 4 to 8 man engineering crew is inspecting the contractor's operations and misc. staking. The project as a whole is 96% complete with 92% of the contract time elapsed.

I-15-8 (28) 343 U-2
Toole County Line North
1-Prestressed conc. girder underpass
& dual prestressed overpass
Contract Let: 4/4/75
Contract Amount: $471,462.28
Work Started: 8/18/75

Sletten Construction Company
Great Falls, Montana
Glen E. Brown, Fld. Proj. Mgr.
Shelby, Montana
Telephone No. 434-2022
Contract Time: 150 working days
Completion Date: 9/2/76.

Three mandays were worked on the final estimate. Work on the final estimate will continue as time permits. Engineering personnel are engaged on other projects.

I-15-8 (28) 343 Unit 3
Toole County Line-North
Dual 481.5' prestressed
Girder Bridge and Emb. Approaches
Contract Let: 8/15/74
Contract Amount: $1,487,575.18
Work Started: 10/11/74

Meyer Construction Company
Billings, Montana
Glen E. Brown, Fld. Proj. Mgr.
Shelby, Montana
Telephone No. 434-2022
Contract Time: 235 working days
Completion Date: 10/30/76

Work on final estimate will continue as time permits. Engineering personnel are engaged on other projects. Mr. Kenneth Carpenter, FHWA, made final inspection on 4/13/77.

I-15-8 (33) 343
Toole County Line-North
8.314 mi. agg. surf.,
pl. mix bit surf. & signing
Contract Let: 10/28/76
Contract Amount: $2,176,268.12
Work not started.

Empire Sand & Gravel Construction Co.
Billings, Montana 59103
James A. Dolan, Fld. Proj. Mgr.
Shelby, Montana
Telephone No. 434-2022
Contract Time: 180 working days
Probable completion date: 11/15/77.

There has been no work by the contractor to date. A five man engineering crew worked 1 day setting control points and one man in the office on gravel spreads and Change Orders. The project as a whole is 0% complete with 3% of the contract time elapsed.

RF-FLH 353 (15)
Two Medicine Bridge-East
5.7 mi. Glacier County
Grade, aggr. surf., pl. mix base,
pl. mix surf., fence & sign
Contract Let: 9/30/76
Contract Amount: $2,476,655.06
Work started: 4/28/77

Hilde Construction Co., Inc.
Great Falls, Montana
Hugh Klepzig, Fld. Proj. Mgr.
East Glacier Park, Montana
Telephone No. 226-5811
Contract Time: 170 working days
Probable Completion date: 11/15/77

The contractor, Hilde Construction Co., started moving onto the project on 4/26/77 with a front end loader and fuel tanks. Started pipe installation on 4/28/77 with 3 people employed. A 4 person engineering crew is engaged in referencing R/W, cross sectioning pipe and working on other projects.

TQS-464-1 (2) 19 U-1
Browning-Babb (Duck Lake Road)
Structures & Approaches
0.2 mi. Glacier County
Contract Let: 1/27/77
Contract Amount: $127,436.90
Work Started: 4/26/77

E. F. Matelich Construction Co.,
Kalispell, Montana
Albert Bonner, Fld. Proj. Mgr.
Browning, Montana
Contract Time: 90 working days
Probable Completion Date: 8/31/77

The subcontractor, Evensen, Inc., began work on April 26, 1977 with one man and a D7 bulldozer. He striped top soil and made haul roads to the borrow areas. They brought a ½ C.Y. clam on a bantam crane and began channel excavation on 4/27/77. The fence is being moved to clear the working area at the bridge site. The subcontractor worked four 8 hour shifts with 1 to 3 men employed. The project as a whole is 1% complete with 11% of the contract time elapsed. A two man engineering crew is assigned to the project.

TQS-464-1 (2) 19 U-2
Browning-Babb (Duck Lake Road)
5.3 miles Glacier County
Grade, gravel, & pl. mix base
Contract not let

Hugh Klepzig, Fld. Proj. Mgr.
East Glacier, Montana
Telephone No. 226-5911

No work by the utilities companies this period. No word has been received from Treasure State Telephone Co. as to when they will begin their revision. The engineering crew anticipates beginning running R/W line in a day or two.

HHS 1-6 (1) 384
U. S. 2 East of Havre
Intersection Improvement
Grade, aggr. surf., pl. mix
Bit. Surf.
0.325 mi. Hill County
Contract Let: 12/16/76
Contract Amount: $84,728.80
Work Started: 4/11/77

Baltrusch Construction Inc. & Aff.
Havre, Montana
Samuel Hatty, Fld. Proj. Mgr.
Havre, Montana
Telephone No. 265-6821
Contract Time: 30 working days
Probable Completion Date: 6/15/77

Progress has been fair. The contractor worked ten 8 hr. shifts with up to 10 men employed. All drainage items are 100% complete. Unclassified excavation is 95% complete. 600 tons of 1½" crushed base was placed on the roadway making this item 15% complete. The project as a whole is 20% complete with 27% of the contract time elapsed. A two man engineering crew is assigned to inspection and construction layout.

F-1-6 (2) 382
U.S. 2 - Havre (E. Section)
1.9 miles, Hill County
Grade, gravel surf., pl. mix surf.,
and storm sewer
Contract not let

Samuel Hatty, Fld. Proj. Mgr.
Havre, Montana
Telephone No. 265-6821

The Montana Power Co. is relocating gas lines. This utility item is 30% complete. One man is assigned to inspection and layout. The centerline and R.W layout is 75% complete. The staking is 50% complete and construction layout as a whole is 10% complete.

SMP 5199-77
Various Roads
Crush & Stockpile
Blaine, Glacier, Pondera
and Toole Counties
Contract Let: 1/27/77
Contract Amount: $98,070.00
Work Started: 2/24/77.

Hilde Construction Co., Inc.
Great Falls, Montana
William Neely, Lab. Supv. III
Havre, Montana
Telephone No. 265-6821
Contract Time: 55 working days
~~Probable~~ completion date: 4/22/77.

The contractor completed seeding and fertilizing gravel pit sites on 4/22/77. The final estimate will be submitted to the Construction Bureau approximately 5/6/77.

ROS 4144 (52) U-3 &
ROS 4144 (52) U-10
Havre-Simpson and
Fort Benton-Big Sandy
Bridge and Guardrail
0.149 miles
Hill & Chouteau Counties
Contract Let: 2/24/77
Contract Amount: $22,750.40
Work started: 4/25/77

Western Sign Corporation
Great Falls, Montana
Samuel Hatty, Fld. Proj. Mgr.
Havre, Montana
Telephone No. 265-6821
Contract Time:30 working days
Probable Completion Date: 6/1/77

The contractor began work on U-10 portion of the contract 4/25/77. Progress has been good. The contractor has worked three 9 hour shifts with up to 7 men employed. The unclassified

ROS 4144 (52) U-3 & (Continued)
ROS 4144 (52) U-10

excavation on U-10 was completed on 4/28/77. The contractor plans to install the guard-rail on U-10 Monday 5/2/77. The project as a whole is 20% complete with 27% of the contract time elapsed. One man is assigned to inspection and layout.

Respectfully submitted,

Hazen D. Flickinger, P.E. Supervisor
Division Construction Section-Havre

HDF/JL/mh

DIVISION OFFICE
GLENDIVE, MONTANA
APRIL 28, 1977

DEPARTMENT OF HIGHWAYS
Helena, Montana

PROGRESS REPORT
Division 4130

Herewith is the Construction News Letter for the period ending April 26, 1977.

## GENERAL

Progress throughout the Division has been good. The weather was mostly fair. Temperatures ranged from +40 degrees to +80 degrees.

## PRECONSTRUCTION

M-5002(1)
Merrill Avenue to North Anderson
Glendive - Dawson County

David A. McCloy, Fld. Proj. Mgr.
Glendive, Montana - Phone 365-5296
Est. Comp. Date - April 15, 1977

Six mandays used during the past period checking and turning angles. Engineering layout is estimated 96.5% complete with a total of 143 mandays to date.

F-25-1(1) CIRCLE-NORTH
Survey Authorized - March 16, 1977
Length - 8.4 Miles

Unassigned

Work will begin when personnel are available.

F-RF-245(12), SAVAGE - CRANE
Length - 8.0± Miles
Survey Started - December 11, 1972

David A. McCloy, Fld. Proj. Mgr.
Glendive, Montana - Phone 365-5296
Est. Comp. Date - May 1, 1978

No work on this project during the past period. Fly line, centerline, bench levels and cross sections are 100% complete. Plotting plan and profile are 99% complete; irrigation and drainage items are 99% complete; and section ties are 99% complete. This survey remains 99% complete with 785 mandays used to date.

RF-325(9), SIDNEY - FAIRVIEW
Length - 11.6± Miles
Reconnaissance Survey

David A. McCloy, Fld. Proj. Mgr.
Glendive, Montana - Phone 365-5296

No work done on this project during the past period. The survey as a whole is estimated to be 25% complete with 399 mandays used to date.

S-201-2(1)39, PRESSERVILLE - FAIRVIEW
Length - 6.0 Miles
Survey Authorized - Dec. 23, 1969
Survey Started - February 8, 1971
Survey Completed - April 6, 1971

Gerald L. Kuester, Designer II
Glendive, Montana - Phone 365-5296
Design Started - July 1, 1971
Estimated Design Comp - Dec. 31, 1978

Design of this project remains 11% complete with 25 mandays used to date.

PROGRESS REPORT

PRECONSTRUCTION

RS-252-1(1), CIRCLE - NORTHWEST
Survey Authorized - March 20, 1974
Survey Started - September 17, 1975
Length - 10.524 Miles

H. D. Kelly, Fld. Proj. Mgr.
Glendive, Montana - Phone 365-2877
Est. Comp. Date - April 30, 1978

Survey was suspended March 1, 1976 with 416.5 mandays used to date. This survey is approximately 47% complete.

RS-253-2(1)36, BROCKWAY - SOUTH
Length - 9.9 Miles
Survey Authorized - March 20, 1975

Unassigned

Work will begin when personnel are available. A public hearing was held on Aug. 10, 1976.

RS-261-1(2), WIBAUX - NORTH
Length - 4.8 Miles
Survey Authorized - Dec. 28, 1976

Unassigned

Work will begin when personnel are available.

S-323-1(1)27, ALZADA - EKALAKA
Length - 18.4 Miles
Survey Authorized - March 4, 1970

Unassigned

Targets were set and aerial photographs taken. A four man crew began work on photogrammetric ground control October 25, 1976. Eighty-eight mandays used to date. Work has been suspended until personnel are available.

S-335-1(1)2, 2ND SECTION, MARSH - GLENDIVE
Length - 7.0 Miles
Survey Authorized - February 23, 1973
Design Started - March 26, 1976

Gerald L. Kuester, Designer II
Glendive, Montana - Phone 365-5296
Survey Comp. Date - February 20, 1975
Est. Design Comp. Date - June 30, 1977

During the past period 7 3/4 mandays were used on fencing, bituminous curb, guard rail and placing items on Summary Sheets. Plans are ready to be sent to Helena for PIH Prints. Design is 50% complete with 105½ mandays used to date.

CONSTRUCTION

I-IG-94-5(14)181, FALLON - DAWSON CO. LINE
I-94-5(17)165, POWDER RIVER RAMPS
I-94-5(18)174, TERRY - FALLON SAFETY
Length - 13.2 Miles
Grade, Agg. Surf., Plant Mix Surf.,
Signing and Structures
Contract Awarded - March 31, 1976
Amount of Contract - $5,750,377.63
Work Started - April 12, 1976

Joe Mayo & Son, Inc.
Box 310, Cavalier, No. Dakota 58220
H. D. Kelly, Fld. Proj. Mgr. - Roadway
C. H. Neiffer, Fld. Proj. Mgr. - Str.
Glendive, Montana - Phone 365-5296
Contract Time - 260 Working Days
Prob. Comp. Date - November 30, 1977

Progress this past period has been good. The prime contractor Joe Mayo & Son, Inc. employed 57 men for ten 9-hour shifts hauling and placing 238,323 cu. yds. of Uncl. Excavation and 25,025 cu. yds. of Unclassified Borrow making these items 82% and 96% complete respectfully, installed 94 cu. yds. of Filter Material making this item 81% complete, 322 feet of 24" CSP making this item 62% complete, 164 feet of 30" CSP Syphon making this item 76% complete, 23 feet of 8'10" SSPP Arch making this item 71% complete and 140 feet of C.S.P. underdrain 8" making this item 64% complete. The work above was mostly accomplished on the Fallon - Dawson County Line portion of the contract except for 46,000 cu. yds. of Unclassified Excavation on the Powder River Interchange portion of the contract. Work on this portion also consisted of the moving and resetting of fence and pouring 3 cattleguard foundations by the fencing sub-contractor, Swan & Sons, Inc., who employed from 4 to 9 men for ten 8-hour shifts.

Structure sub-contractor Swingen Construction Company employed 18 men for nine 8-hour and one 11-hour shifts pouring concrete for deck and curbs on the eastbound structure of the bridges over B.N.R.R. Also poured Abutment Wall and Wingwalls on Abutment No. 1 Westbound and fourteen Type "A" 75 foot prestress beams were delivered and erected on Spans 1 and 3 Westbound. Deck forms are presently being stripped from the Eastbound structure and the forming of the superstructure is in progress on the Westbound structure. Steel Bridge Rail Type 5 was erected on the Yellowstone Grade Separation. Project as a whole is 66% complete with 143 working days or 55% of the contract time elapsed. Construction layout remains 91% complete with 9 engineers and 4 to 5 inspectors employed this past period.

I-94-5(15)183 UNIT 2
FALLON - DAWSON COUNTY LINE
Fabrication and Erection of Structural Steel
Contract Awarded - March 31, 1975
Amount of Contract - $3,344,000.00
Work Started - September 22, 1975

Pittsburgh Des Moines Steel Co.
1015 Tuttle St., Des Moines, Iowa
A. J. Kuntz, Field Project Manager
Glendive, Montana - Phone 365-5296
Contract Time - 130 Working Days
Prob. Comp. Date - May 13, 1977

Progress this past period was poor. Supt. did visit project and spent one day on general cleanup, repair of damaged fence and backfilling of all but one side anchor with top soil. The only work remaining is the backfilling of side anchor on Fish and Game land, seeding of three side anchor areas and some minor repair of bruises and chips in concrete units. Some discrepency arose on the amount of top soil to be over the side anchor on Fish and Game land and the sub-contractor is to be corresponding with them at the present time. Project remains 99.9% complete with 62 working days used or 49% of the contract time elapsed. Final estimate and supporting data is 99% complete and the completed portion has been checked in the Division Office.

I-94-5(15)183 UNIT 3
FALLON - DAWSON COUNTY LINE
Completing Superstructure on Dual Bridges
Contract Awarded - Jan. 27, 1977
Amount of Contract - $1,005,548.41
Work Started - April 21, 1977

Weyher Construction Company
P. O. Box 628, Salt Lake City, UT 84110
A. J. Kuntz, Fld. Proj. Manager
Glendive, Montana -Phone 365-5296
Prob. Comp. Date - June 1, 1978

Contractor started actual construction on April 21, 1977. Progress since starting date has been poor. Seven 8-hour shifts were worked with 6 men employed. One side form was erected for backwall of Bent No. 1 E.B.L. All other work consisted of assembling span-alls for later placement and unloading of materials as they arrive. Steel hangers for carrying the span-alls and starting board have been lost in transit which is causing some delay in progress. Forsyth Ready-Mix, supplier of the concrete, started setting up the plant near project site on April 27, 1977. Project is 0% complete with 7 working days used or 3% of the contract time elapsed. Construction layout with one engineer is 5% complete.

I-LSI-94-6(27)192
BAD ROUTE REST AREA
Single Rest Area & Landscaping
Contract Awarded - June 24, 1974
Amount of Contract - $187,685.20
Work Started - August 7, 1974

Rainmaker, Inc.
1831 Main, Billings, Montana 59101
H. D. Kelly, Fld. Proj. Mgr.
Glendive, Montana - Phone 365-2877
Contract Time - 120 Calendar Days
Prob. Comp. Date - May 13, 1977

The project was conditionally accepted July 11, 1975 and was opened to the public on July 18, 1975. Acceptance is conditional as per Special Provision 17.44, Plant Establishment Period ending September 1, 1976. The contractor has not been present for any of the monthly inspections of the plants. All inspections have been made by the Project Manager with written reports of the findings being submitted to the contractor. The contractor has advised that none of the 35 various shrubs and trees that require replacement can be obtained this planting season. Therefore plant replacement will probably not be completed until the Spring of 1977. The project remains 99% complete with 100% of the contract time elapsed. The final notes and white prints have been checked in the Division Office.

I-94-6(23)202, GLENDIVE - WEST
I-94-6(28)209, GLENDIVE - EAST & WEST
Length - 14.1 Miles
Grade, Drain, Agg. Surf., Plant Mix Surf.
Signing, Guard Rail and Structures
Contract Awarded - July 10, 1975
Amount of Contract - $4,665,317.65
Work Started - August 4, 1975

Joe Mayo & Son, Inc.
Box 310, Cavalier, N. Dakota 58220
Dennis C. Tenney, Fld. Proj. Mgr. - Rdwy.
Ken Quale, Fld. Proj. Mgr. - Structures
Glendive, Montana - Phone 365-2877
Contract Time - 240 Working Days
Prob. Comp. Date - June 1, 1977

Prime contractor Joe Mayo and Son, Inc. employed from 3 to 15 men this past period working ten 8-hour shifts with 3 men excavating for and laying 640 lin. ft. of Emb. Protectors making this item 98% complete; 12 to 15 men employed working five 8-hour hour shifts, 2 of which the men set up hot plant and 3 shifts producing and placing 1,363 tons of 1" Type III Plant Mix on P-2, 3 and 4 Ramps, for a total to date of 41,006 ton or 89% complete. The project as a whole is estimated at 95% complete with 208 days used or 86% of the contract time elapsed. Construction layout with 0 to 3 men in the field and 1 to 2 men in the office is estimated at 97% complete.

PROGRESS REPORT

CONSTRUCTION

I-94-6(29)226 UNIT I
GLENDIVE - WIBAUX CO. LINE WEST(EAST SECTION)
Length - 6.339 Miles
Grade and Structures
Contract Awarded - October 1, 1976
Amount of Contract - $1,619,125.62
Work Started - November 22, 1976

Joe Mayo & Son, Inc.
Box 310, Cavalier, N. Dakota 58220
David A. McCloy, Fld. Proj. Mgr. - Rdwy
Ken Quale, Fld. Proj. Mgr. - Structures
Glendive, Montana - Phone 365-5296
Contract Time - 160 Working Days
Prob. Comp. Date - November 1, 1977

Progress during the past period was fair. Sub-contractor Swan and Son employed 4 to 6 men for five 8-hour shifts building CW fence Lt. Sta. 1086+00 to 1198+ making fencing items 24% complete. Structure sub-contractor F. L. Flynn & Co. employed 12 to 15 men for ten 8-hour shifts completing the driving of treated timber service pile and depositing concrete for caps on Abutments No. 1 and 4, Footings on Bent No. 2, Footings and Columns on Bent No. 3 on Westbound Structure over Hodges County Road. Deposited concrete for deck slab, curbs and end posts on westbound grade separation at Sta. 1217+50. Major structure items and percent complete are: Class "AD" Concrete, 40%; Str. Exc. Type 1, 52%, Reinf. Steel, 34% and Furnish and Drive Steel Bearing Pile remains 50% complete. The project is estimated at 6% complete with 4% of the contract time charged to date, with 4 to 8 engineers employed this past period.

RF-391(16), LAMBERT - EAST & WEST
Length - 43.2 Miles
Plant Mix Bitum., Surf. & Seal Cover
Contract Awarded - May 3, 1976
Amount of Contract - $1,767,363.50
Work Started - June 7, 1976

Earth Builders, Inc.
Box 838, Bismarck, North Dakota
James Baldwin, Field Project Manager
Culbertson, Montana
Contract Time - 110 Working Days
Prob. Comp. Date - June 1, 1977

No work this past period. All items remain at 100% complete with the exception of seal and cover and final pavement marking. Crushing crew is working in the area and expects to return to the project to crush and stockpile cover material approximately May 15. The project as a whole is 75% complete with 63 days or 57% of the contract time elapsed. The construction layout is 100% complete. Engineering crew is engaged on other projects.

RS-128(12), WIBAUX COUNTY LINE - NORTH
Length - 5.722 Miles
Grade, Aggr. Surf., Pl. Mix Base & Drain
Contract Awarded - May 17, 1976
Amount of Contract - $1,089,598.12
Work Started - August 2, 1976

Neshem-Peterson, Inc.
Box 68, Berthold, N. Dakota 58718
James Baldwin, Field Project Manager
Culbertson, Montana
Contract Time - 160 Working Days
Probable Comp. Date - Aug. 30, 1977

Twenty men on grading crew worked ten 9-hour shifts this past period grading and installing small drainage structures in miles 1, 2 and 3 and finishing slopes and ditches in miles 5 and 6. Progress slow because of short water supply. Local irrigation system water was made available to the contractor the week of April 25 and better progress is expected. Sixteen men on gravel crew worked fourteen 9-hour shifts stockpiling; crushing and stockpiling 1½" Base Course; began crushing and stockpiling 1" Plant Mix Aggregate on April 26, worked four 9-hour shifts. Items and percent complete are: Unclassified Excavation 74%; Culvert Installation 61%; Fencing 95%; Riprap 91%: "DD" Concrete 100%; Stockpiled 1½" Base Course 100%; Stockpiled 1" Plant Mix Aggregate 5%. The road portion of the project is 43% complete, bridge portion is 98% complete with handrail painting the only work remaining. The project as a whole is 48% complete with 105 days or 64% of the contract time elapsed. The construction layout is 100% complete. A five man engineering and inspection crew is engaged on the project.

RS-302(23), TERRY - BROCKWAY
Length - 5.467 Miles
Grade, Aggr. Surf., Plant Mix Bitum. Base
Seal and Cover and Signing
Contract Awarded - March 31, 1976
Amount of Contract - $1,085,633.08
Work Started - May 24, 1976

Joe Mayo & Son, Inc.
Box 310, Cavalier, N. Dakota 58220
B. F. Kelly, Field Project Manager
Glendive, Montana - Phone 365-5296
Contract Time - 180 Working Days
Prob. Comp. Date - June 15, 1977

Progress this past period has been good. Contractor Joe Mayo & Son, Inc. worked ten 9-hour shifts employing 15 to 28 men. Work consisted in completing Uncl. Exc. and related items. Installed 569 ln. ft. of culverts which completes all culverts and related items. Nine 9-hour shifts were worked on gravel operation producing 26,261 tons of 1" CBC Type A Gr. 6 making a total to date of 35,442 tons or 40% complete. The project as a whole is 61% complete with 142 working days used or 80% of contract time elapsed. Construction layout with 6 to 10 men working is estimated to be 86% complete.

RS-394(3), WEBSTER - WEST
Length - 10.036 Miles
Grade, Aggr. Surf. & Prestressed Con. Gir. Bdg.
Contract Awarded - November 19, 1976
Amount of Contract - $1,142,475.92
Work Started - April 11, 1977

McIntyre Const. & S. Birch, Inc.
P. O. Box 2167, Great Falls, Mont. 59403
Dennis C. Tenney, Field Project Manager
Glendive, Montana - Phone 365-2877
Contract Time - 150 Working Days
Prob. Comp. Date - Oct. 28, 1977

Progress this past period has been good. Grading operations began on 4-14-77. Ten 9-hour shifts were worked hauling and placing 62,823 cu. yds. Uncl. Exc. making this item 11% complete. 362 Lin. Ft. of 24" CSP installed making this item 14% complete. Bridge crew began operations on structure over Little Beaver Creek on 4-21-77. Work in progress consisted of setting steel crib and sheet piles in place on Pier No. 2. One 8-hour and three 9-hour shifts worked during the past period. The structure as a whole is 7% complete. Bridge layout with a one man engr. crew engaged is 10% complete. A total of 25 men employed on the project. Construction layout with a 4 man survey crew and 2 inspectors is estimated 82% complete. Project is estimated 7% complete with 8 working days or 5% of the contract time elapsed.

Respectfully,

Bruce Russell

Bruce Russell, Supervisor
Division Construction Section

BR/sb

DEPARTMENT OF HIGHWAYS
Wolf Point, Montana
April 29, 1977

PROGRESS REPORT

Department of Highways
Helena, Montana

Division 4230

Gentlemen:

The following Construction Progress Report is for the period ending April 29, 1977.

## GENERAL

The weather has been warm with no measurable amount of precipitation. Road construction with the exception of minor work has not been resumed. Work on off system road projects have not resumed but off system signing has started in some areas. The temperatures ranged from a low of 34 degrees to a high of 89 degrees.

## PRECONSTRUCTION

F 1-8( ) Dodson-Malta (Overlay)
Approximately 9 Miles in Length
Authorized--01-28-77
Design Started--02-02-77

Robert M. Hanson, Designer II
Wolf Point, Montana
653-1050
Est. Compl. Date--04-15-77 (PIH)

No man days used the past period. A total of 17 man days have been used on design to date. Design is approximately 45% complete.

F 32-2(1) Port of Scobey Access
Length--0.1 Miles
Authorized--03-30-77
Location Survey Started--04-04-77
Location Survey Completed--

Robert M. Hanson, Designer II
Wolf Point, Montana
653-1050
Est. Compl. Date--05-06-77 (PIH)

Fifteen man days were used by Division office personnel preparing plan sheets and summation of quantities. Design is approximately 35% complete with a total of 21 man days used to date.

F 193(22), Plentywood-South
Approximately 10 Miles in Length
Authorized--05-27-70
Location Survey Started--12-09-74
Survey Suspended--04-26-76
Survey Resumed--11-22-76

James E. Baldwin, Field Proj. Mgr.
Culbertson, Montana
Est. Compl. Date--03-31-78

No work on survey this past period, waiting for electronic instruments to complete section tie measurements and closing of the survey. Percentages complete on the 10.1 mile survey remain as follows: Centerline, bench levels, centerline profile, profile plotted and section ties 100% complete; topography 5% complete. The project as a whole is 63% complete with 565 man days used to date. Estimated date of completion is March 31, 1978.

RS 239(5), Nashua-North
Approximately 8 Miles in Length
Authorized--10-08-74
Location Survey Started--01-07-75
Location Survey Completed--01-14-77

Robert M. Hanson, Designer II
Wolf Point, Montana
653-1050
Design Started--01-17-77
Est. Compl. Date--05-30-77 (PIH)

No work on project design the past period. Line change notes have been submitted to Data Processing for entry into ground line tabulations. Design remains 5% complete.

RS 248-2(2)18, Opheim-Scobey
Formerly S 8(12)
Length--4.4 Milesq
Authorized Construction Staking

George L. Nelson, Field Proj. Mgr.
Scobey, Montana
487-5451

A five to eight man crew ran reference line Station 267+00 to 322+52 and slope staked Stations 125+00 to 322+52 the past period. Reference line is 100% complete and slope staking of earthwork is 100% complete. Construction layout as a whole is 60% complete. All personnel are assigned to other projects.

TQS 250-1(2)37, Wolf Point N & E Loop
Formerly S 98(3)
Approximately 6 Miles in Length
Authorized--12-28-76
Design Started--01-04-77

Robert M. Hanson, Designer II
Wolf Point, Montana
653-1050

PIH inspection was completed 04-28-77. County forces are working on the grading portion of this project.

RS 257(5), Tampico-Glasgow
Approximately 8 Miles in Length
Authorized--12-01-71
Location Survey Started--05-20-74
Survey Suspended--06-21-74
Survey Resumed--01-30-75
Survey Suspended--04-22-75
Survey Resumed--01-12-76
Design Started--03-22-76

Robert M. Hanson, Designer II
Wolf Point, Montana
653-1050
Act. Compl. Date--04-02-76 (Location)
Est. Compl. Date--12-15-76 (PIH)

No work on this project the past period. The location survey is 100% complete on the staked line. A total of 159 man days have been used to date on design. Plans are 50% complete and ready for PIH prints. Waiting for determination of which construction alternate will be proposed.

RF 266(11), Macon-North
Approximately 10 Miles in Length
Authorized--11-04-76
Location Survey Started--01-11-77

Duane J. Novakovich, Field Proj. Mgr.
Wolf Point, Montana
653-1050
Est. Compl. Date--05-30-77

Centerline is 100% complete. Bench levels and topography are 75% complete. Section ties are 10% complete. The project as a whole is 32% complete. 40 man days used this period for a total to date of 183 man days.

RF 266(14), Scobey-South
Approximately 11.4 Miles in Length
Authorized--01-22-75
Location Survey Started--01-13-77
Location Survey Suspended--03-30-77

George Nelson, Field Proj. Mgr.
Scobey, Montana
Est. Compl. Date--05-15-77

Two men worked one day referencing centerline points and centerline referencing is 100% complete. Levels and check levels have been completed for 100% complete. Topography has been completed stations 2075+00 to 2409+00 and 2459+00 to 2486+00 for 60% complete. Cross sectioning has been completed stations 2274+00 2280+00 and 2460+00 to 2485+00 including the bridge survey at the Poplar River for 10% complete. The survey as a whole is 42% complete with 268 man days used to date. All personnel are assigned to other projects.

F 273(16), Missouri River Bridge-South of Culbertson
Approximately 0.2 Miles in Length
Authorized--05-13-76
Location Survey Started--

James E. Baldwin, Field Proj. Mgr.
Culbertson, Montana
Est. Compl. Date--05-15-77

No work on bridge site survey this past period, crew engaged on other projects. Survey suspended until crew is available.

## CONSTRUCTION

RF 001-9-(001)644.2, Culbertson-Diamond Creek
Contract Let--03-31-77
Contract Awarded--04-01-77
Proceed Order Date--04-22-77
Work Started--
Bid Price--$85,761.00

Rehbein Contracting, Inc.
Plains, Montana
James E. Baldwin, Field Proj. Mgr.
Culbertson, Montana
787-5701
Working Days--30
Prob. Compl. Date--06-30-77

No work on the project this past period. The contractor has advised that the pipe for the project has been ordered. The construction layout is 75% complete. The construction staking notes have been submitted to Helena for a run of quantities. Engineering crew is engaged on other projects. Preconstruction conference tentatively scheduled for 06-06-77.

RS 15(17) & RS 202(6), Poplar-North and Brockton-North
Contract Let--05-13-76
Contract Awarded--05-17-76
Proceed Order Date--06-07-76
Work Started--08-11-76
Bid Price--$342,345.22

Earth Builders, Inc.
Bismarck, North Dakota
Duane J. Novakovich, Field Proj. Mgr.
Wolf Point, Montana
653-1301
Working Days--60
Prob. Compl. Date--06-15-77

There was no progress the past period. The only work remaining on contract items is seal, cover and traffic striping. Project is 85% complete with 95% of the project time elapsed. One engineering personnel working periodically checking field notes for supporting data.

RF 153(12)U-1, US #2-Dodson
0.3 Miles in Length
GR.AGG.SURF.,ROAD MIX SURF., & STRUCTURE
Contract Let--08-12-75
Contract Awarded--08-28-75
Proceed Order Date--09-18-75
Work Started--10-31-75
Bid Price--$396,059.08

Baltrusch Constr., Inc., & Affiliates
Havre, Montana
George L. Nelson, Field Proj. Mgr.
Malta, Montana
654-1391
Working Days--120
Prob. Compl. Date--06-01-77

Only work consisted of removing the detour culvert from the Dodson Canal. One personnel assigned part time. All other personnel assigned to other projects.

SMP 2899-76, Maintenance Stockpiles
McCone, Prairie, Roosevelt & Wibaux Counties
Crush & Stockpile
Contract Let--11-18-76
Contract Awarded--11-19-76
Proceed Order Date--12-10-76
Bid Price--$224,375.00
Work Started--12-10-76

Francis Tindall, Contractor
Lewistown, Montana
Leroy Anderson, Mat'l Supr.
Wolf Point, Montana
653-1050
Working Days--120
Est. Compl. Date--04-19-77

Completed stockpiling crushed aggregate from Pit No. 4010-10 Prairie County on 04-19-77. Project as a whole with the exception of seeding is 100% complete with 61% of the contract time elapsed.

Vernon D. Borden, P.E., Supr.
Division Construction Section

VDB:BH:psb

cc: Field Project Managers
Don Williams
File

DEPARTMENT OF HIGHWAYS
Billings, Montana

April 29, 1977

Following is a report on Highway Preconstruction and Construction projects in Area Function 5130 for the report period ending April 29, 1977.

## GENERAL

Temperatures ranging from +40 to +65 degrees prevailed during the reporting period. A varying amount of precipitation was received throughout the area. Fair progress has been reported on the construction projects.

## PRECONSTRUCTION

I-90-8(77)455
Johnson Lane - Billings
Length 1.00 Miles
Survey Authorized 1-18-77
Work Started 1-20-77

D. C. Kittelson, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Probable Completion Date 5-1-77

Centerlines on the Base Lines for Ramps No. 1, 2, 3 & 4 and Johnson Lane have been completed. All Centerlines have been plotted and inked on the hardshell. Cross-sections and profiles have been completed on Base Lines from Ramps No. 1, 2, 3 & 4 and Johnson Lane. Profiles for all Ramps and Johnson Lane have been plotted and inked. The Section ties have been completed and are plotted and inked on the hardshell. All property ties have been completed and are plotted and inked on the hardshell. Topography has been completed on Ramp No. 1, 2, 3 & 4 and Johnson Lane and is plotted on the hardshell. Ownerships have been gotten and signatures from the Property Owners for the Permission to Survey forms have all been acquired. One man is working in the office on the hardshell and profile and used 5.5 man days this reporting period for a total of 214 man days used. The field survey work is 100% complete and the office work is 99% complete. The survey as a whole is 99% complete. The survey will be submitted to the Billings Division office this week.

F-4-1(1)0
Wyoming Line No.
Length 19.5 Miles
Survey Authorized 4-12-77
Work Not Started

Engineer Unassigned
Probable Completion Date: 12-15-77

Work on this fencing location will begin when personnel are available.

U-16-1(3) Wicks Ln.- Bench Blvd.
Length 1.0 Miles
Design Started 2-2-76
Work Not Started

James M. Young, Designer II
Billings, Montana
Probable Completion Date 11-30-77

Three employees worked on this project during the past week, checking linen plan and profile sheets, summary sheets, utility plans, estimate and special provisions. All design data will be submitted to Helena for printing of plan in hand prints for final plan in hand and public hearing plans. Design work is 50 % complete and the estimated completion date is November 30, 1977.

M 1020(1) 1st Ave. North
Billings Division to 22nd
Length 1.1 Miles
Survey Authorized 2-10-75

Kenneth Bowersox, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Probable Completion Date 12-1-77

Survey will commence as soon as personnel are available. Project is 0 % complete.

RF 134(11) Laurel - South
Laurel to Rockvale
12.0 Miles Reconnaisance
Survey Authorized 1-16-76
Work Started 2-2-76

Michael Zahn, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Probable Completion Date 12-1-77

Work was suspended on February 20 and will continue when personnel are made available. Project is 2 % complete.

RS-132(7) Billings - South
8.2 Miles - Location Survey
Survey Authorized 2-26-76
Survey Started 2-14-77

Gerald Loran, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Probable Completion Date 6-1-77

There were no men assigned to the Billings South project from April 11, 1977 through April 22, 1977. The project is 28 % complete.

S-332-2(1) Brandenberg-Garland
8.743 Miles Design Work
Design Started 5-5-75

James M. Young, Designer II
Billings, Montana
Probable Completion Date 1-31-79

No work was accomplished on this project during the past week. Design work is 52 % complete and the estimated completion date is January 31, 1979.

RS 306-1(1)0 Columbus - North
3.6 Miles
Survey Authorized 12-10-75
Survey Started 12-22-75

James M. Young, Designer II
Billings, Montana
Phone No. 252-4138
Probable Completion Date 4-1-82

No design time was charged to this project during the past week. Design work is 0 % complete and the estimated completion date is April 1, 1982.

RS 311-2(3)11 Myers Bridge - N.W.
4.9 Miles Grade, Gravel, Drain, Pl. Mix Base and Structure - Treasure County
Contract to be let 5-26-77

John Miner, Fld. Project Mgr.
Hysham, Montana
Phone No. 342-5317

A six man engineering crew worked three days on this project running center line and RW line which completes this portion of this project. Construction layout is 3 % complete. This project is scheduled for letting in May.

S 447-1(1)29 Rosebud South (North Section)
8.239 Miles Design Work
Design Started 2-2-76

James M. Young, Designer II
Billings, Montana
Probable Completion Date 3-25-77

One man worked on this project during the past week, adjusting grades to include topsoil quantities. Design work is 90 % complete and the estimated completion date is May 27, 1977.

S 463-1(1)0 Lodge Grass - St. Xavier
6.495 Miles Design Work
Design Received 9-30-74

James M. Young, Designer II
Billings, Montana
Probable Completion Date 5-20-77

No work was accomplished on this project during the last reporting period. Design work is 50 % complete and the estimated completion date has been changed to May 15, 1982.

DP 50(7) Sarpy Creek Road
Photogrammetric Control 27±
Date Authorized 9-28-76
Survey Started 12-21-76

John Miner, Fld. Project Mgr.
Hysham, Montana
Phone No. 342-5317
Probable Completion Date 5-1-77

No work was done on the project this period. Photos and control data have been submitted to Helena and section corner location will continue as time permits.

DP 314-1(1) Decker Railroad Crossing
1.0 Miles - Location Survey
Survey Authorized 3-8-77
Survey Started 3-17-77

James M. Young, Designer II
Billings, Montana
Probable Completion Date 5-30-77

The survey data was submitted to the Division Design Office on 4-12-77. Six man days were expended plotting the hardshell. The project is 88 % complete.

DP 334(26) Crow Agency - Busby
Photogrammetric Control 27.4 Miles
Date Authorized 12-3-75
Survey Started 12-22-75

Raymond Schaak, Fld. Project Mgr.
Garryowen, Montana
Phone No. 638-2255
Probable Completion Date 12-1-77

No work was done by the Field Engineering Crew for the past two weeks. All the personnel were assigned to the construction projects I 90-9(34)491 and I 90-9(28) 509 U-1. The project is 74 % complete.

I-IG 90-8(64)391 U1 & I-90-8(70)388 U3
Reedpoint - East
7.7 Miles-Grading, Agg. Surf1, Pl. Mix
Bit. Base Surf., & 284' Structure
Amount of Contract - $3,273,435.74
Contract Awarded 6-5-75
Work Started 6-26-76

Clark Brothers, Contractor
Victor, Montana
Don Taylor, F.P.M. - Structures
Michael Zahn, F.P.M.-Roadway
Billings, Montana
Phone No. 252-4138
Contract Time: 260 Working Days
Probable Completion Date 5-15-77

The contractor did not work on the project during this period. All of the items are 100 % complete except for some patching and some clean-up work. The project is 99 % complete with 80% of the contract time elapsed. No engineering personnel were assigned to the project during this period.

I-90-9(28)509 U1 and I-90-9(34)491 &
FI 188 (10) Garryowen North & South
8.1 Miles of Grading Agg.
Surf., Pl. Mix Surf., Fencing
Signing & Related Items
Contract Let 4-24-75
Amount of Contract - $4,304,984.48
Work Started 6-12-75

Wickens Brothers and Empire
Sand & Gravel Co's., Contractors
Billings, Montana
Raymond Schaak, Fld. Project Mgr.
Phone No. 638-2255
Garryowen, Montana
Contract Time: 280 Working Days
Probable Completion Date 6-30-77

Work this past two weeks consisted of Schmoll Construction, Inc. with four men for ten-eight hour shifts, placing construction sign foundations (concrete) and setting treated timber posts on the Garryowen North and South project. Empire Sand and Gravel Co. had twenty men for five 8½ hour shifts, placing Type III plant mix surfacing between Station 51+00 to Station 155+00 E.F.R. and Station 880+00 to Station 25+00 W.F.R. Wickens Brothers Construction had five men for five-nine hour shifts, on general clean up and seed bed preparation, while seeding 30 Acres. The contract as a whole is 91 % complete with 83 % of the contract time elapsed. One man is working in the office on field notes and computations for the construction projects. The survey crew has been working on the Garryowen North and South and Safety projects with inspection and related field engineering.

I-90-9(48)500 Crow Agency Frontage Rd.
8.3 Miles Agg. Surf., Plant Mix Base
Amount of Contract - $370,789.95
Contract Let 12-18-75
Contract Awarded 12-23-75
Work Started 8-23-76

Empire Sand & Gravel, Contractor
Billings, Montana
Raymond Schaak, Fld. Project Mgr.
Phone No. 638-2255
Garryowen, Montana
Contract Time: 120 Working Days
Probable Completion Date 5-30-77

The project is now under seasonal shutdown due to time limitations for Seal Coat Operation. The project as a whole is 89 % complete with 80 % of the contract time elapsed.

I-94-1(37)50 Unit 1
Structure and Approaches Bighorn River 0.22 Miles Yellowstone & Treasure Co's.
Contract Awarded 2-28-77
Amount of Contract - $1,007,315.91
Work Started 4-8-77

Sletten Construction Co.
Great Falls, Montana
Kenneth W. Hartman, Fld. Project Mgr.
Phone No. 252-4138
Billings, Montana
Contract Time: 210 Working Days
Probable Completion Date: 12-1-77

Fair progress. The contractor worked ten-eight hour shifts and employed six men on the project. The contractor has been removing riprap and started excavating Bent No. 2. The project is less than 1 % complete with eight working days or 4 % of the contract time elapsed. Structure and approach staking and computations are 3 % complete. Thirty-seven man days have been charged to the project this newsletter period.

I-94-2(17)60 U1 & I-94-2(19)56
Hysham East and West
21.6 Miles of Add 2 Lane
Gr., Agg. Surf., PMBB & PMBS
Signing and Structures
Contract Let 5-29-75
Amount of Contract - $4,998,829.68
Work Started 7-3-75

Empire Sand & Gravel Company
Wickens Brothers (JV)
Billings, Montana
John T. Miner, Fld. Project Mgr.
Hysham, Montana
Phone No. 342-5317
Contract Time: 300 Working Days
Probable Completion Date 8-1-77

Progress has been fair. Contractor lost three days of crushing and hauling as he moved the crusher to another site on the project. Empire Sand and Gravel Co., Inc. contractor worked seven days crushing and hauling Base Surfacing. Eighteen men were employed working ten hour shifts. Frank Gurney, Inc., sub-contractor, worked ten eight hour shifts on the Safety Upgrading portion of this project removing guardrail and signing on mentioned project. Sixteen employees are presently assigned to this project. Construction layout is 64 % complete. Present complete of the various items are as follows: Grading 97 %, Surfacing 39 %, Drainage 94 %, Structure 97 %, Fencing 76%, Signing 12 %, Project as a whole 64 %. 225 of the allotted 305 Working Days have now been used, making 74 % of the contract time elapsed.

RF 108(16) Billings - North
Billings - Roundup
6.9 Miles - Yellowstone Co.
Gr., Agg. Surf., Pl. Mix Surf.
Drain and Structures
Contract Awarded 8-24-76
Amount of Contract - $2,418,157.90
Work Started 10-19-76

McEachern Const., Co., Contractor
Butte, Montana
Roddo Bakich, Fld. Project Mgr.
Phone No. 248-4050
Billings, Montana
Contract Time: 160 Working Days
Probable Completion Date 8-1-77

Good progress. The contractor worked ten-eight hour shifts hauling 40,000 cubic yards of Unclassified Excavation between Stations 36+10 to 87+10, 150+00 to 228+90 and 359+20 to 346+00 end of project. Topsoil is being placed between Stations 180+00 to 299+00. Pipe crew is placing Approach pipe lt. & Rt. along project Station 200+00 to 393+26.1. Also, removed and reset cattleguard lt. of Station 393+26.1. The structure crew worked ten-eight hour shifts. 97 Cubic Yards of concrete were placed in the deck slab, diaphragms and backwalls at Station 69+62. Seven Prestressed beams type A 75' were erected at Station 39+84. 75 % of the forms have been erected for the deck slab, diaphragms and backwalls at Station 39+84.

RF 108(16) Billings - North Cont.

Bozeman Sand & Gravel Co., Sub-contractor, worked nine-eight hour shifts crushing and stockpiling 26,500 tons of plant mix material and hauling 25,369 tons of 1½" Base Course from a stockpile to the roadway between Stations 189+88.5 to 237+00 and 277+00 to 315+00. On the roadway items, the grading is 62 % complete, drainage items are 50 % complete, fencing is 85 % complete and the surfacing items are 22 % complete. On the structures, Class AD concrete is 56 % complete, reinforcing steel is 56 % complete and the structures as a whole are 70% complete. The project is 32 % complete with 16 % of the contract time elapsed. A total of 55 men were employed. Twelve persons were assigned to the project for engineering and inspection of roadway items, and a three man crew was engaged in structure layout and inspection. The structure layout is 70 % complete and the roadway engineering layout is 26 % complete.

RF 188 (9) Center Ave. & 3rd St.
Hardin Streets
Gr., Agg. Surf., PMBB, Pl. Mix
Surf., Curb and Gutter, Drain
Sign and Light
Contract Awarded 4-2-76
Amount of Contract - $1,490,610.15
Work Started 4-22-76

Cop Construction Co., Contractor
Billings, Montana
Donald C. Kittelson, Fld. Project Mgr.
Hardin, Montana
Phone No. 665-3995
Contract Time: 180 Working Days
Probable Completion Date 7-1-77

The Contractor worked one-six hour and one-five hour shift with five men employed this reporting period. Work in progress consisted of seeding the project which was completed on April 15, 1977. This work completes the project except for the installation of Traffic Signals at Center Avenue and Third Street which will be done at a later date under Extra Work Order No. 2. A letter of conditional acceptance was issued on April 21, 1977. A shutdown is in effect due to the conditional acceptance. The Miscellaneous items are 100 % complete. The Grading items are 100 % complete. The Drainage items are 100 % complete. The Surfacing Items are 100 % complete. The Curb and Gutter items are 100 % complete. The Signing and Lighting items remain 95 % complete. The Fencing Items are 100 % complete. The project as a whole is 97 % complete with 139 working days of the 186 allowed having been used or 75 % of the contract time elapsed. One man has been working in the office and one man inspected the seeding. Engineering layout is 100 % complete.

M 1006(1) Broadwater Avenue
12th to 14th Street West-Billings
Gr. Drain, Agg. Surf., Pl. Mix
Surf., and Sign 0.3 Miles
Contract Awarded 5-28-76
Contract Amount - $407,470.75
Work Started 7-8-76

Cop Construction Co., Contractor
Billings, Montana
Kenneth Bowersox, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Contract Time: 90 Working Days
Completion Date 4-22-77

The prime contractor, Cop Construction Company, had an average of seven men employed and worked seven-eight hour shifts excavating, backfilling, compacting and pouring 4" and 6" sidewalks, resloping cut and fill areas, placing topsoil on slopes, seeding slopes, striping and doing general clean-up. The subcontractor, Barry O'Leary Inc., had an average of five men employed and worked four-eight hour shifts forming and pouring 4" and 6" sidewalks on Broadwater Avenue, hauled, processed and layed 1½" Base Course and 3/4" Top Surf., and paved driveways and parking areas Lt. and Rt. of Broadwater Avenue. The subcontractor, Grand Fence, had two men employed and worked two-eight hour shifts installing chain link fence Lt. of 12th St. West.

M 1006(1) Broadwater Avenue Cont.

All items are now 100 % complete with the project being completed on April 22, 1977. Contract time allowed was 90 working days with thirteen working days added through approved change orders. All 103 working days were used to complete this project. Engineering time charged to the project has been 50 man days during the past reporting period. The project is now 100 % complete.

M 1008(2) Central Avenue Ramp
Gr. Drain Agg. Surf., Pl. Mix Surf., Conc. Structure, Light and Sign 0.443 Miles
Contract Awarded 6-4-76
Contract Amount - $337,781.47
Work Started 6-30-76

Sletten Construction Co., Center
Great Falls, Montana
Kenneth Bowersox, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Contract Time: 150 Working Days
Probable Completion Date 6-1-77

The subcontractor, Barry O'Leary, Inc., had an average of five men employed and worked eight-eight hour shifts hauling, processing and laying 3" Base Course and setting grade string line for curb and gutter. The subcontractor, Stolzenburg, Inc., had an average of three men employed and worked five-eight hour shifts removing curb and gutter Lt. and Rt. of E Line and Rt. of Montana Avenue and excavating E Line. Excavation-Unclass. is approximately 99 % complete, Base Course 3" Gr. 2 A is approximately 98 % complete, Base Course 1½" Gr. 5 A is approximately 95 % complete and Remove Curb is 100% complete. All other items remain the same as previously reported. Contract time elapsed has been 108 working days or 72 % to date and 43 working days remain. Engineering time charged to the project during the past reporting period has been 35 man-days. The project as a whole is approximately 84 % complete.

M 1018(2) & M 1099(2) U2
Interm Couplet 4th & 6th Ave.No.-Billings
Gr., Agg. Surf., Pl. Mix Surf., Signs & Signals
Contract Amount - $128,510.00
Contract Awarded - 10-29-76
Work Started 3-16-77

Midland Electric Co.
Billings, Montana
Kenneth Bowersox, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Contract Time: 90 Working Days
Probable Completion Date 6-30-77

The prime contractor, Midland Electric Company, had two men employed and worked two-eight hour shifts setting four Sign Standards and mast arms on 4th Avenue North and on Exposition Drive. Signal Standard Type 2A-500-2 is approximately 60 % complete and Signal Standard Type 2A-600-5 is approximately 95% complete. All other items remain the same as previously reported. No contract time has been charged to the project in accordnace with Spec. Prov. 1B. Engineering time charged to the project during the past reporting period has been twelve man days. The project as a whole is approximately 4 % complete.

TQS 308-1(2)4 Red Lodge - Belfry
3.0 Miles - Grading, Agg. Surf.,
Bit. Base, Signing, in Carbon County
Contract Amount $1,122.589.78
Contract Awarded 4-1-77
Work Not Started

Rehbein Contracting, Inc.
Plains, Montana
Michael Zahn, Fld. Project Mgr.
Red Lodge, Montana
Phone No. 446-1805
Contract Time: 150 Working Days
Probable Completion Date 12-1-77

The contractor has not started work. Mountain Bell started relocating their telephone facilities on April 13, 1977. A nine man engineering crew has been working on notes, staking culverts and slope staking. The project is 0 % complete with 0 % of the contract time elapsed. Construction layout is 25 % complete.

RS 129 (14) Columbus-Rapelje
4.345 Miles-Grading, Agg. Surf.
Pl. Mix Bit. Base, Signing and
91.25' Structure
Amount of Contract - $1,348,465.14
Contract Awarded 6-5-75
Work Started 6-30-76

Meyer Construction Co., Contractor
Billings, Montana
Donald R. Taylor, F.P.M.-Structures
Michael Zahn, F.P.M.-Roadway
Phone No. 252-4138
Billings, Montana
Contract Time: 150 Working Days
Probable Completion Date 5-30-77

The contractor did not work during this period. Bridge Items are 100% complete. Grading Items are 100% complete. Surfacing Items are 91% complete. Seeding Items are 93% complete. Drainage Items are 100% complete. Guardrail Items are 100% complete. Signing and Striping Items are 43% complete. Fencing Items are 99% complete. Construction layout is 98% complete. The project is 98% complete with 92% of the contract time elapsed.

DP-384-1(4)0 Hardin East
19.0 Miles - Pl. Mix Bit. Base Overlay,
Seal & Cover, in Big Horn County
Contract Amount $845,091.24
Contract Awarded 4-1-77
Work Not Started

Border States Paving, Inc.
Fargo, North Dakota
Donald Kittelson, Fld. Project Mgr.
Hardin, Montana
Phone No. 665-3995
Contract Time: 110 Working Days
Probable Completion Date: 8-1-77

The contract for this project was awarded on April 1, 1977. A Notice to Proceed with the Work Order has been received effective April 22, 1977. Work has not begun as of this date. One day of the 110 working days allowed has been used or 1% of the contract time elapsed. One six man survey crew is running Reference and poppy line. The Reference line has been run from Station 17+46.2 to 971+50. The poppy line has been run from Station 17+46.2 to 851+82.1. Engineering layout is 32% complete.

HHS 212 (20) Lodge Grass - North
6.0 Miles Pl. Mix Bit. Base Overlay
Skid Correction
Big Horn County
Contract Amount - $322,491.40
Contract Awarded 5-14-76
Work Started 8-25-76

Empire Sand & Gravel Co., Inc.
Billings, Montana
Raymond Schaak, Fld. Project Mgr.
Phone No. 638-2255
Garryowen, Montana
Contract Time: 60 Working Days
Probable Completion Date 5-30-77

The project is now under seasonal shutdown due to time limitations for seal coat operation. The project as a whole is 92% complete with 91% of the contract time elapsed.

HHS 4-2(1)52 Ul- Main St. & 1st Ave.-Laurel
Installation of traffic devices
0.01 Miles
Contract Amount $44,966.00
Contract Awarded 1-31-77
Work Not Started

Midland Electric Co.
Billings, Montana
Gerald Loran, Fld. Project Mgr.
Phone No. 252-4138
Contract Time: 45 Working Days
Probable Completion Date 6-30-77

The contractor has not started work. No engineering personnel have been assigned to the project. The project is 0% complete with 0% of the contract time elapsed.

Respectfully Submitted,

C. W. Klimper, P.E., Supervisor
Division Construction Section

CWK/JBR/st

STATE OF MONTANA
DEPARTMENT OF HIGHWAYS
Division Office
Miles City, Montana
April 29, 1977

Department of Highways
Helena, Montana

Progress Report
Division 5230

Following is the Preconstruction and Construction Progress Report for the period ending April 29, 1977, for Division 5230 - Miles City, Montana.

## GENERAL

Mostly clear skies, occasional wind, and above normal temperatures prevailed during the past period. Temperatures ranged from 43° to 82°. All construction projects are in good travel condition. On I-94 paved detours are in use 1 - 2 miles east of Forsyth and 1 - 1.5 miles west of Forsyth--Construction adjacent to PTW 2 miles east to 4 miles west of Hathaway--Trucks crossing PTW 3 miles west of Hathaway. On US-12 traffic is being detoured through Forsyth to temporary connection with US-10 and I-94 at Tenth Street. On US-312 trucks are entering highway 12 miles south of Miles City--Paving in progress 28 - 33 miles south of Miles City with flagpersons.

## PRECONSTRUCTION

S 252 (4) - 8 Mi. So. of Rosebud-South
(South Section)
Length - 9.0 Miles
Survey Started: January 17, 1973
Survey Suspended: January 28, 1974
Survey Resumed: January 13, 1977

Delmer F. Borer, Field Project Manager
Miles City, Montana - Tel. No. 232-1093
Probable Completion Date: May 20, 1978

No work was performed on this location survey during the past period. To date, centerline has been run on 9.054 miles or 100% complete. Topography has been taken on 0.5 miles or 1% complete. The survey as a whole is 30% complete.

DP 252 (5) - Rosebud-South
(Ashland-Northwest Section)
Length - Approx. 28.3 Miles
Survey Started: August 28, 1975

Don L. Stewart, Field Project Manager
Miles City, Montana - Tel. No. 232-1093
Probable Completion Date: March 15, 1978

No work was performed on this project during the period. To date, ownerships have been checked and fly line run on 20.2 miles or 71% complete. 101 man days have been used. The survey as a whole is 5% complete.

DP 323 (16) - Colstrip to I-94
(Center Section)
Length - Approx. 12.8 Miles
Survey Started: January 13, 1976

Don L. Stewart, Field Project Manager
Miles City, Montana - Tel. No. 232-1093
Probable Completion Date: May 30, 1977
Survey Suspended: March 3, 1977

No work was performed on this photogammetry design survey during the past period. To date, levels have been run on 12.8 miles and drainage secured on 6.0 miles. 109 man days have been used to date.

DP 362 (9) - Lame Deer-Colstrip (South Section)
Length - Approx. 9.0 Miles
Survey Not Started

Don L. Stewart, Field Project Manager
Miles City, Montana - Tel. No. 232-1093
Probable Completion Date: April 15, 1978

Authorization to make this location survey was issued June 18, 1976. Engineering personnel will be assigned when available.

DP 334 (27) - Lame Deer-Ashland
Length - Approx. 22.0 Miles
Survey Not Started

Field Project Manager - Unassigned
Probable Completion Date: April 15, 1978

Preliminary engineering for reconnaissance only was authorized June 18, 1975. Engineering personnel will be assigned when available.

RF 334 (28) - Ashland-East
Length - Approx. 20.4 Miles
Survey Not Started

Field Project Manager - Unassigned
Probable Completion Date: April 15, 1978

Authorization to make a ground control survey for design mapping was issued June 2, 1976. Engineering personnel will be assigned when available.

RS 460 (10) - Boyes-South on SR-544
Length - Approx. 8.0 Miles
Survey Started: November 17, 1975

Robert E. Swanson, Field Project Manager
Miles City, Montana - Tel. No. 232-1093
Probable Completion Date: Feb. 15, 1978

No work was performed on this project during the past period. To date, right-of-entry permits have been secured, ownerships checked, and fly line established.

DP 466 (1) - Tongue River Bridge S.W. of Birney
Length - Approx. 0.5 Mile
Survey Not Started

Field Project Manager - Unassigned
Probable Completion Date: March 15, 1978

Authorization to make this bridge and approach survey was issued January 24, 1977. Engineering personnel will be assigned when available.

## CONSTRUCTION

I 94-3 (29) 90 U-2 - Forsyth-E & W
Length - 5.745 Mi. Grad., Gravel Surf., Pl. Mix Bit. Surf., Fencing, Sign., 254.5' West Interchange Structure, & 304.5' South Frontage Road Structure
I 94-3 (31) 83 - Forsyth-West
Length - 15.616 Miles Plant Mix Seal
RRS 384 (8) - US 12-I Conn.-Forsyth
Length - 0.306 Miles Grad., Gravel Surf., Pl. Mix Surf., Sign., & 233.0' BN Overpass Structure
Contract Let: April 29, 1976
Proceed Order: May 24, 1976
Amount of Contract: $4,977,775.22
Work Started: July 20, 1976

Wickens Brothers, Contractor
Lewistown, Montana
Ray R. Garland, Field Proj. Mgr. (Roadway)
Walter D. Dane, Field Proj. Mgr. (Structure)
Forsyth, Montana - Tel. No. 356-2230
Contract Time: 300 Working Days
Probable Completion Date: Dec. 15, 1977

I 94-3 (29) 90 U-2 (Continued)....

Progress during the past period has been good. 116,000 cubic yards of unclassified excavation were moved making a total of 1,352,000 cubic yards or 93% complete. 21,000 cubic yards of unclassified borrow were moved making a total of 500,000 cubic yards or 99% complete. 479 lineal feet of CSP culvert were placed making a total of 3,981 lineal feet or 99% complete. 5 lineal feet of RCP culvert were placed making a total of 1,299 lineal feet or 100% complete. To date, 2,391 rods of fence have been installed or 59% complete. 4,820 tons of plant mix type 3 have been placed or 10% complete. Seeding operations are 35% complete. Plant mix seal is 80% complete and SSPP culvert is 100% complete. The contractor worked ten 9-hour shifts with 45 men employed. The structures as a whole are 68% complete. The contract as a whole is 63% complete with 41% of the contract time elapsed. Construction layout, with a ten-man engineering crew engaged, is 77% complete.

I 94-3 (27) 114 - Hathaway-E & W
Length - 5.6 Miles Grading, Aggregate Surfacing, Plant Mix Bit. Surf., & 244.5' Interchange Structure
Contract Let: October 30, 1975
Proceed Order: April 16, 1976
Amount of Contract: $2,053,896.79
Work Started: January 14, 1976

Wickens Brothers, Contractor
Lewistown, Montana
Delmer F. Borer, Fld. Proj. Mgr. (Roadway)
Miles City, Montana - Tel. No. 232-1093
Contract Time: 200 Working Days
Probable Completion Date: July 30, 1977

Work in progress during the past period has been fair. 14,668 tons of 1½" crushed base surfacing were produced making a total of 49,336 tons or 74% complete. To date, 73,237 tons of 3" crushed base surfacing have been produced or 84% complete. The subcontractor worked six 8-hour shifts during the past period with 16 men employed. The project as a whole is 85% complete with 66% of the contract time elapsed. Construction layout, with a five-man engineering crew engaged, is 87% complete.

F 39-1 (1) 13 - Colstrip-Lame Deer
Length - 7.5 Mi. Pl. Mix Overlay
Contract Let: March 31, 1977
Proceed Order: April 22, 1977
Amount of Contract: $678,362.60
Work Not Started

Baltrusch Constr. Co., Contractor
Havre, Montana
Don L. Stewart, Field Project Manager
Miles City, Montana - Tel. No. 232-1093
Contract Time: 80 Working Days
Probable Completion Date: August 1, 1977

No work was performed on this project during the period. To date, centerline has been run on 4.0 miles or 53% complete. 34 man days have been used. Construction layout, with a 4-man engineering crew engaged, is 22% complete. The contractor has advised us that he plans to start work during the week of May 1st. 5% of the contract time has elapsed.

RF 156 (15) - 14 Miles No. of Volborg-North
Length - 5.4 Miles Grading, Gravel Surf., and Plant Mix Surfacing
RF 156 (17) - 22.3 Miles SE of Miles City-NW
Length - 13.2 Miles Plant Mix Overlay
Contract Let: April 29, 1976
Proceed Order: May 24, 1976
Amount of Contract: $1,996,750.02
Work Started: July 7, 1976

Earth Builders, Inc., Contractor
Bismarck, North Dakota
Colin D. Murray, Field Project Manager
Miles City, Mt. - Tel. No. 232-1093
Contract Time: 180 Working Days
Probable Completion Date: July 15, 1977

RF 156 (15) & (17) Continued....

Progress during the past period has been good. 19,486 tons of plant mix bituminous base Grade 1 were produced making a total of 47,993 tons or 72% complete. To date, Project RF 156 (17) has been completed through plant mix surfacing. The contractor worked seven 10-hour shifts with 37 men employed. The project as a whole is 64% complete with 71% of the contract time elapsed. Construction layout, with an 8-man engineering crew engaged, is 85% complete.

RF 157 (28) - Cohagen-South
Length - 5.433 Miles Grading, Agg. Surf. & Pl. Mix Bit. Surf.
Contract Let: October 28, 1976
Proceed Order: April 18, 1977
Amount of Contract: $1,258,220.14
Work Started: February 24, 1977

Earth Builders, Inc., Contractor
Bismarck, North Dakota
R. E. Swanson, Fld. Project Manager
Miles City, Montana - Tel. No. 232-1093
Contract Time: 160 Working Days
Probable Completion Date: November 15, 1977

Progress during the past period has been fair. 90,300 cubic yards of unclassified excavation were moved making a total of 130,300 cubic yards or 22% complete. 514 lineal feet of RCP culvert were installed making a total of 1,166 lineal feet or 44% complete. To date, 743 rods of farm fence Type F2M have been installed or 41% complete. 255 rods of temporary fence have been installed or 93% complete. The contractor worked ten 9-hour shifts with 19 men employed. The project as a whole is 11% complete with 5% of the contract time elapsed. Construction layout, with a seven-man engineering crew engaged, is 62% complete.

Kenneth G. Rapp, P. E.
Supr.-Div. Constr. Section

KGR:DM:dk

cc: Div. File

STATE OF MONTANA

DEPARTMENT OF HIGHWAYS

LEWISTOWN, MONTANA

April 29, 1977

State of Montana
Department of Highways
Helena, Montana 59601

PROGRESS REPORT

DIVISION 5330

Gentlemen:

The following report covers preconstruction and construction in Division 5330 for the period of April 16, 1977 through April 29, 1977.

## GENERAL

The temperature varied from 78 degrees above to 21 degrees above with 0.05 inches of percipitation recorded. Roads are in good travel condition.

## PRECONSTRUCTION

F 8 (19) Martinsdale-East and Two Dot-West
Approximate Length: Martinsdale-East 5.7 Miles
Approximate Length: Two Dot-West 7.4 Miles
Survey Authorized: 5-26-70
Survey Started: 1-4-71
Survey Completed: 4-5-73

Mitch J. Miller
Designer II
Lewistown, Montana
Telephone: 538-8732

Martinsdale-East: Data processing sheets for Run No. 1 were received from the Preconstruction Section in Helena on 4-16-73. Bridge Situation Survey was submitted to Helena on 9-18-73. Drainage and Irrigation Notes, including field recommendations, were submitted to Helena on 9-18-73. Additional information will be submitted to the Hydraulics Section, Helena, when grades are adjusted to balance the project. Tracing Plan and Profile Linens remain 80% complete. The design as a whole is 6% complete with 12 man-days expended to date.

Two Dot-West: Bridge Situation Surveys were submitted to the Preconstruction Section, Helena, on 9-18-73. Additional information was submitted to the Hydraulics Section, Helena, for their use in designing preliminary recommendations. IBM sheets for Run No. 2 were received from Helena on 9-29-76. Tracing Plan and Profile Linens remain 80% complete; plotting templates and computing volumes are 96% complete. The design as a whole is 25% complete with 129½ man-days expended to date.

A five man crew worked five days in the field to get additional cross-sections, topography and drainage, completing and field work, and five days in the office plotting of topography and drainage, using a total of 77 man-days.

RS 68 (7) PN-Lohse Ferry Bridge and Approaches
Secondary Route 236
Approximate Length: Unknown
Survey Authorized: 5-30-75
Survey Started: 12-13-76

Martin C. VanMil
Field Project Manager
Lewistown, Montana
Telephone: 538-8732

Work during the past reporting period consisted of section corner ties, plotting plan sheet, checking field notes and cross-sections, and copying field notes. Items and percentages complete are as follows: centerline, bench levels, cross-sections, topography, profile plotted, drainage topography, plotting cross-sections, and bridge situation--100%; section ties--50%; field notes checked--90%; plan plotted--90%. A total of 515 man-days have been expended and the survey is 95% complete.

RF 235 (38) Geyser-Stanford
Approximate Length: 12.51 Miles
Survey Authorized: 1-22-74
Survey Started: 1-6-75
Survey Suspended: 4-7-76
Survey Resumed: 1-22-76

Carl W. Park
Field Project Manager
Lewistown, Montana
Telephone: 538-8732

Work the past reporting period consisted of searching for section corners, with a three-man engineering crew. Some success was achieved in locating corners, however crew is presently working on construction projects. Items and percentages complete are as follows: centerline, bench levels, land ownerships, cross-sections, topography, bridge situation and drainage, and plotting profile--100%; Plotting plan--95%; plotting cross-sections--55%; checking and inking cross-sections--35%; checking field notes--95%; section ties--55% complete. A total of 676 man-days have been expended and the field survey work complete with the exception of completing section corner ties.

RF 235 (38) Stanford-East and West
Approximate Length: 8.00 Miles
Survey Authorized: 9-28-76
Survey Started: 1-31-77
Survey Suspended: 4-6-77

Bruce H. Barrett
Field Project Manager
Hobson, Montana
Telephone: 538-8732

There has been no work on the project the past reporting period due to construction requirements and the survey remains at 20% complete.

ER 72 (23) Lewistown-Southeast, Fergus County
Approximate Length: 0.445 Miles
Survey Authorized: 12-31-75
Survey Started: 7-20-76
Survey Suspended: 7-29-76
Survey Resumed: 9-27-76

Mitch J. Miller
Designer II
Lewistown, Montana
Telephone: 538-8732

All supporting data was submitted to the Division Office 11-15-76. The P.I.H. was held 4-8-77. Thirteen man-days were used making P.I.H. changes for 100% complete. The design as a whole is 95% complete with 75½ man-days expended to date. The completed design was transmitted to Helena on 4-26-77 and this should constitute a final report for this project.

F 256 (35) Winnett-West
Approximate Length: 9.3 Miles
Survey Authorized: 2-14-72
Survey Started: 11-25-74

Robert A. Passow, S.E.T.
Field Project Manager
Roundup,Montana
Telephone: 323-2040

A 3-4 man engineering crew worked 11 man-days this reporting period. Nine man-days were spent checking field notes and two man-days were spent plotting plan. Line run, bench levels run, BM's established, ownerships checked, topography and profile plotted for 100% complete. Section ties and plan plotted are 33% complete; field notes checked are 76% complete. The survey as a whole is 92% complete with a total of 411 man-days expended.

RS 462-2 (1) Rock Springs-Van Norman
Approximate Length: 14.0 Miles
Survey Authorized: 4-10-73
Survey Started: 9-10-73

Charles W. Buck
Field Project Manager
Lewistown, Montana
Telephone: 538-8732

No field work was done on this project this reporting period. Centerline,bench marks set, levels run and checked, roadway cross-sections, topography taken for 100% complete; section ties remain 60% complete; drainage areas and drainage recommendations are 80% complete; bridge situation surveys are 90% complete; plotting profile and plan is 100% complete. Eleven man-days were expended this reporting period plotting, checking, and inking bridge situation surveys. A total of 690 man-days have been expended to date and the survey remains about 96% complete. Field notes checked remain 90% complete.

DESIGN: Tracing plan and profile linens remain 90% complete; laying preliminary grades remain 85% complete; computing and drawing typical sections and summaries are 40% complete. Two man-days were used adjusting grades for 50% complete. The design as a whole is 11% complete with 48 man-days expended to date.

SRS 4148 (52) Various Locations
Grade Crossing Signals
Off-System

Utility Agreements for the Stanford and Windham Crossings were received by the Lewistown Office on 10-14-76 for the Windham Crossing and on 12-29-76 for the Stanford Crossing. The work on the Stanford Crossing was started on 11-8-76, and was completed 2-24-77. Work was started on the Windham Crossing 4-1-77.

SRS 4148 (51) Yogo Inn Crossing - Lewistown
Grade Crossing Signals
Off-System

No agreement for the project has been received by the Lewistown Office.

M 7103 (1) Airport Road - Lewistown
Approximate Length: 1.7 Miles
Survey Authorized: 12-6-76
Survey Started:

Unassigned at this time

No work on this survey to date.

M 7106 (3) Spring Street, 8th-11th - Lewistown
Approximate Length: 1100.0 feet
Survey Aughorized: 12-6-76

Unassigned at this time

No work on this survey to date.

M 7109 (1) 4th Avenue - Lewistown — Unassigned at this time
Approximate Length: 0.4 Miles
Survey Authorized: 9-28-76
Survey Started:

No work has been done to date on this survey. Work will begin when a crew becomes available.

RS 42 (12) 6 Miles Northwest - Jordan — Unassigned at this time
Approximate Length: 8.0 Miles
Survey Authorized: 9-28-76
Survey Started:

No work has been done to date on this survey. Location and Design Public Hearing was held on 10-19-76 in Jordan.

## CONSTRUCTION

ER 72 (15) Armells Creek Slide
Length: 0.05 Miles
Grade, Channel Change, and Riprap
Fergus County
Contract Awarded: 8-30-76
Bid Price: $143,208.10

Rehbein Contracting, Inc.
Plains, Montana
Martin C. VanMil
Field Project Manager
Lewistown, Montana
Telephone: 538-8732
Contract Time: 40 working days
Compl. Date: 4-14-77

The project was completed on April 14, 1977, with 97.6% of the allotted contract time used. On April 18, 1977, Mr. R.W. Freeman, Division Construction Section Supervisor made the final inspection and acceptance of the project. The final estimate and supporting data are being checked for submission to the Division Office.

U-RF 103 (15) Lewistown-North
Length: 2.7 Miles
Grading, Aggregate Surface, Plant Mix Bituminous Surfacing, Sewer Installation Signing, Lighting, and 40.0 Prestressed Concrete Bridge over Spring Creek
Contract Let: 4-1-76
Bid Price: $1,820,322.90
Work Started: 5-24-76

Washington Construction Co.
Missoula, Montana
Carl W. Park
Field Project Manager (Road)
Dale E. DeVore
Field Project Manager (Bridge)
Lewistown, Montana
Telephone: 538-8732
Contract Time: 160 working days
Prob. Compl. Date: 6-1-77

Construction work resumed on the project 4-21-77 with Swan and Son, sub-contractor working six 9-hour shifts with three men employed. Work consisted of seedbed preparation, seeding operations, and installation of farm fence. Seeding was completed 4-27-77, with fencing panels presently planned for completion on 5-2-77. Sub-contractor, Western Sign Co., worked one 4-hour shift and one 8-hour shift with four men employed. Continuous delineation has been completed; installation of signs is 95% complete and erection of electrical facilities are 25% complete. Two 50-foot sections of concrete curb and gutter were placed on 4-27-77 with sidewalk pour to be completed on 4-29-77. The project as a whole is 97% complete with 80% of the contract working days expended. Construction layout is 100% complete with three men assigned to the project for inspection and supervision.

RF 138 (8) Roundup-North
Length: 6.2 Miles
Grade, Gravel, Plant Mix Surfacing
Bridge
Contract Awarded: 5-24-76
Contract Amount: $2,033,972.96
Work Started: 7-1-76

Zook Brothers Construction Co.
Great Falls, Montana
Robert A. Passow, S.E.T.
Field Project Manager (Road)
Albert G. Reather
Field Project Manager (Bridge)
Roundup, Montana
Telephone: 323-2040
Contract Time: 180 working days
Prob. Compl. Date: 9-15-77

Work accomplished during this reporting period consisted of seeding and processing and laying shoulder gravel. Sub-contractor, Swan and Sons, completed seeding all Area #1 possible at this time. Six acres of the roadway and 32 acres in the gravel pit remain to be seeded. 1102 lbs. of seed, 5602 lbs. of fertilizer, 6.103 acres of Mulch-wood Cellofiber and 49.5 hours of Condition Seedbed surface has been used to date. 76% of the seeding is completed.

Zook Brothers began processing and laying shoulder gravel 4-26-77. Other men are on the project getting equipment ready for the upcoming construction season. They anticipate beginning Hot Plant operation some time during the week of 5-1-77.

A five man engineering crew is assigned to project inspection and layout. 78% of the project is complete with 57% of the contract time elapsed.

BRIDGE: 100% complete, pending guardrail touchup.

RS 444 (3) Utica-Windham
Length: 10.7 Miles
Grade, Gravel, Plant Mix Base
Contract Awarded: 5-28-76
Contract Amount: $1,874,234.66
Work Started: 8-5-76

Hilde Construction Co. and
Maronick Construction Co. (JV)
East Helena, Montana
Bruce H. Barrett
Field Project Manager
Hobson, Montana
Telephone: 423-5327
Contract Time: 180 working days
Prob. Compl. Date: 9-15-77

Progress the past reporting period has been good. 34,931 tons of C.B.C. Type A Grade 5 were placed for a total to date of 113,613 tons or 66% complete. Top-soil placement and general clean-up is being conducted throughout the project.

The contractor has 18 to 26 men employed and is working one 9-hour shift per day five days per week on general cleanup, C.B.C. production and hauling of the aggregate and one 10-12 hour shift per day five days per week on processing and lay down.

Assessment of time against the contract commenced on April 16, 1977 and the project is 61% complete with 59% of the contract time elapsed. Construction layout with 10 engineering personnel assigned to the project is 87% complete.

RS 450 (3) Denton-North
6.4 Miles Grading, Aggregate Surfacing
Plant Mix Surfacing, Drain, Seal and
Cover, Signing, and Construct an 85.0
Prestressed Concrete Bridge
Fergus County
Contract Awarded: 3-31-76
Contract Amount: $1,001,089.52
Work Started: 4-19-76

Zook Brothers Construction Co.
Great Falls, Montana
Ross M. Johnson
Field Project Manager (Road)
Dale E. DeVore
Field Project Manager (Bridge)
Lewistown, Montana
Telephone: 538-8732
Contract Time: 175 working days
Prob. Compl. Date: 7-1-77

The contractor moved on project 4-21-77 to complete reclamation of their pit area and worked six days employing three men, and two scrapers. Chip and Seal Operations will begin when weather permits. The project as a whole is 92% complete with 60% of the contract time elapsed. One man is checking final quantities and summaries.

SMP 1499-76 Maint. Stockpiles on
Various Roads
Fergus, Judith Basin, Musselshell
Petroleum, and Rosebud Counties
Crushing and Stockpiling
Contract Awarded: 11-19-76
Bid Price: $165,960.00

Empire Sand & Gravel Co., Inc.
Billings, Montana
Robert A. Passow, S.E.T.
Field Project Manager
Roundup, Montana
Telephone: 323-2040
Martin C. VanMil
Field Project Manager
Lewistown, Montana
Telephone: 538-8732
Contract Time: 120 working days
Prob. Compl. Date: 7-11-77

Sub-contractor, Wickens Brothers, produced 18,000 tons of ½ in. Grade 4A top surfacing in pit No. 3320-43, Musselshell County, during the past reporting period. The prime contractor, Empire Sand and Gravel Co., Inc., began moving in to pit No. 3510-08, Petroleum County, on April 26, 1977 and began producing ½ in. Grade 4A top surfacing on April 28, 1977. The contract is 44% complete with 62.5% of the contract time elapsed.

ROS 4144 52 Unit 4 and Unit 13 - Roundup
Guardrail Installation
Contract Let: 2-28-77
Contract Awarded: 2-28-77
Contract Amount: $25,223.00
Work not started

Frank Gurney, Inc., & Subsidiary
Spokane, Washington
Robert A. Passow, S.E.T.
Field Project Manager
Roundup, Montana
Telephone: 323-2040
Contract Time: 30 working days
Prob. Compl. Date: 6-15-77

No work was accomplished by the contractor this reporting period. State Maintenance Forces placed road mix on the right shoulder of ROS 4144 (52) U4 4-25-77. A four-man engineering crew completed layout on project 2-26-77.

Respectfully submitted,

R. W. Freeman, P.E., Supervisor
Division Construction Section
Lewistown

RWF/JHP/jrw

DIRECT PARTICIPATION

FEDERAL HIGHWAY ADMINISTRATION

APRIL 11, 1977

MONTHLY PROGRESS REPORT
DIRECT FEDERAL CONSTRUCTION
MONTANA

April 11, 1977

| Project | Location | Length | Type Work | Percent Time Used | % Work Completed and Estimated Completion Date | Contractor and Contract Amount |
|---|---|---|---|---|---|---|
| BHC 1(3) | Big Horn Canyon National Recreation Area | 9.65 | Grading, PMS | 60 | 48<br>Oct. 1977 | R. J. Studer & Sons<br>$2,759,751.00 |